

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042823\
 Data File : VW030911.D
 Acq On : 28 Apr 2023 10:50
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5233

Quant Time: Apr 29 00:37:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 00:37:09 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	135212	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	127669	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	64731	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	5262	0.472	ug/L	0.00
7) Chloroethane-d5	1.535	69	4157	0.457	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	3002	0.509	ug/L	0.00
20) 2-Butanone-d5	3.796	46	219	0.111	ug/L	-0.05
24) Chloroform-d	4.265	84	10750	0.486	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.963	65	4965	0.441	ug/L	0.00
32) Benzene-d6	4.973	84	15654	0.418	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.998	67	5406	0.497	ug/L	0.00
41) Toluene-d8	7.255	98	14571	0.409	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.571	79	1666	0.408	ug/L	0.00
46) 2-Hexanone-d5	8.050	63	4598	3.321	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.162	84	3562	0.452	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.570	152	5927	0.491	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	5537	0.518	ug/L	96
3) Chloromethane	1.217	50	7191	0.574	ug/L	96
5) Vinyl chloride	1.285	62	5086	0.485	ug/L	87
6) Bromomethane	1.490	94	3061	0.613	ug/L	98
8) Chloroethane	1.552	64	3542	0.555	ug/L	96
9) Trichlorofluoromethane	1.716	101	10142	0.524	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	4966	0.503	ug/L	93
12) 1,1-Dichloroethene	2.072	96	4757	0.523	ug/L	94
13) Acetone	2.159	43	2745	1.627	ug/L	80
14) Carbon disulfide	2.243	76	12368	0.519	ug/L	96
15) Methyl Acetate	2.394	43	393	0.115	ug/L #	76
16) Methylene chloride	2.452	84	7890	0.766	ug/L	91
17) Methyl tert-butyl Ether	2.719	73	8208	0.474	ug/L	94
18) trans-1,2-Dichloroethene	2.699	96	4211	0.507	ug/L	86
19) 1,1-Dichloroethane	3.121	63	7917	0.493	ug/L	97
21) 2-Butanone	3.957	43	1815	0.974	ug/L	88
22) cis-1,2-Dichloroethene	3.831	96	4402	0.502	ug/L	85
23) Bromochloromethane	4.162	128	2085	0.505	ug/L	84
25) Chloroform	4.294	83	8325	0.483	ug/L	93
27) 1,2-Dichloroethane	5.063	62	5177	0.479	ug/L #	86
29) 1,1,1-Trichloroethane	4.519	97	8171	0.509	ug/L	95
30) Cyclohexane	4.584	56	5763	0.476	ug/L	98
31) Carbon tetrachloride	4.741	117	6795	0.472	ug/L	90
33) Benzene	5.024	78	14651	0.456	ug/L	100
34) Trichloroethene	5.847	95	3979	0.465	ug/L	93
35) Methylcyclohexane	6.056	83	5831	0.440	ug/L #	81
37) 1,2-Dichloropropane	6.104	63	3837	0.504	ug/L #	96
38) Bromodichloromethane	6.445	83	5451	0.489	ug/L #	83
39) cis-1,3-Dichloropropene	6.969	75	5144	0.451	ug/L	95
40) 4-Methyl-2-pentanone	7.182	43	15062	3.816	ug/L	95
42) Toluene	7.329	91	14728	0.426	ug/L	98
44) trans-1,3-Dichloropropene	7.600	75	4272	0.439	ug/L	89

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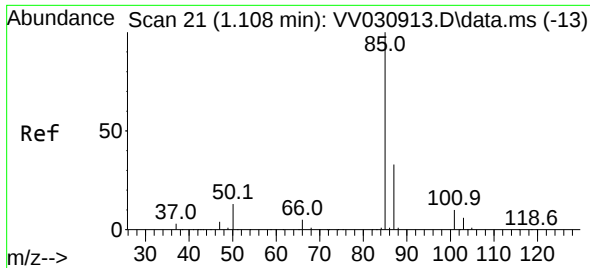
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5233

Quant Time: Apr 29 00:37:30 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 00:37:09 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.783	97	2843	0.503	ug/L	90
47) Tetrachloroethene	7.915	164	4144	0.507	ug/L	94
48) 2-Hexanone	8.101	43	9475	3.298	ug/L #	87
49) Dibromochloromethane	8.181	129	3445	0.485	ug/L	100
50) 1,2-Dibromoethane	8.297	107	2226	0.442	ug/L #	92
51) Chlorobenzene	8.821	112	11457	0.489	ug/L	98
52) Ethylbenzene	8.956	91	16110	0.427	ug/L	94
53) m,p-Xylene	9.082	106	6362	0.423	ug/L	97
54) o-Xylene	9.487	106	6546	0.457	ug/L	92
55) Styrene	9.509	104	9926	0.411	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.188	83	2962	0.469	ug/L #	92
59) Bromoform	9.677	173	1911	0.502	ug/L #	90
60) Isopropylbenzene	9.876	105	16964	0.486	ug/L	98
61) 1,2,3-Trichloropropane	10.220	75	2200	0.541	ug/L #	89
62) 1,3,5-Trimethylbenzene	10.487	105	13644	0.480	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	13478	0.468	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	9269	0.517	ug/L	94
65) 1,4-Dichlorobenzene	11.220	146	9438	0.522	ug/L	92
67) 1,2-Dichlorobenzene	11.586	146	8188	0.508	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.374	75	612	0.593	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.593	180	7306	0.515	ug/L	97
70) 1,2,4-trichlorobenzene	13.210	180	5648	0.518	ug/L	95
71) Naphthalene	13.455	128	9910	0.634	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	4814	0.521	ug/L	98

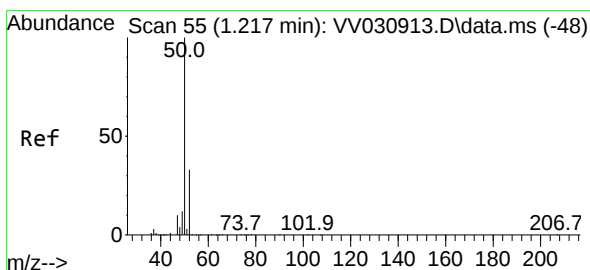
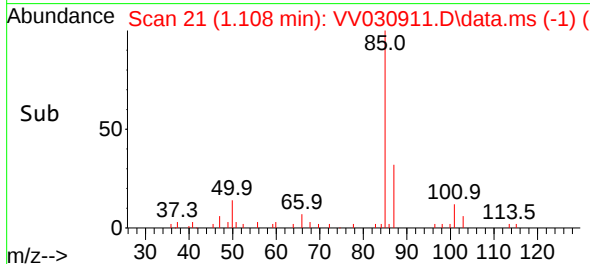
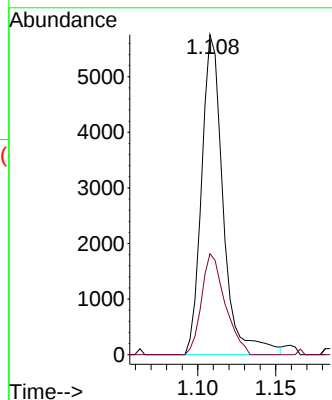
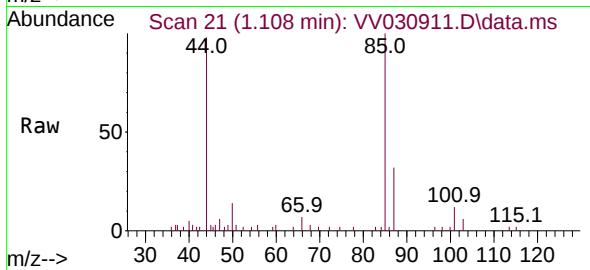
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.518 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030911.D
 Acq: 28 Apr 2023 10:50

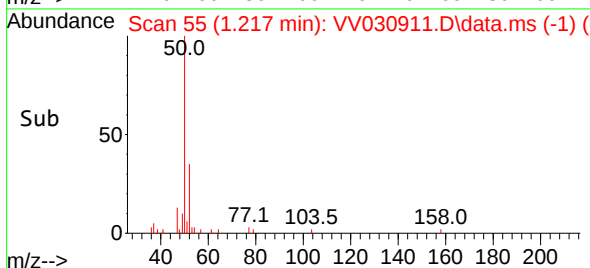
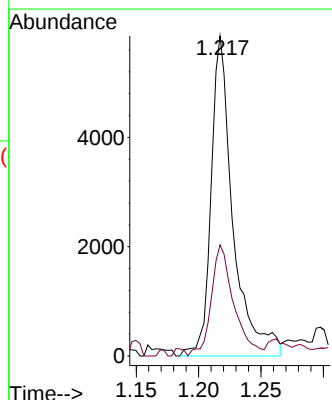
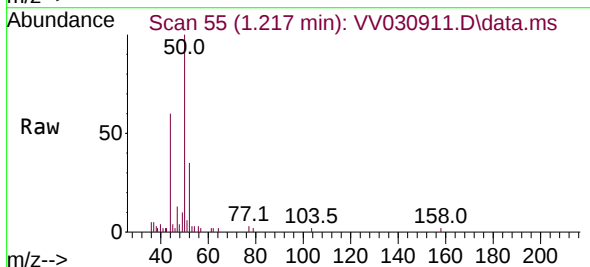
Instrument :
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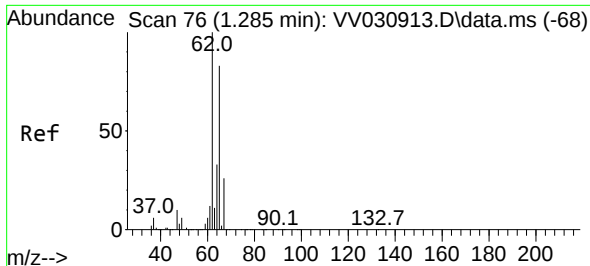
Tgt Ion: 85 Resp: 5537
 Ion Ratio Lower Upper
 85 100
 87 34.3 25.8 38.6



#3
 Chloromethane
 Concen: 0.574 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030911.D
 Acq: 28 Apr 2023 10:50

Tgt Ion: 50 Resp: 7191
 Ion Ratio Lower Upper
 50 100
 52 34.7 22.8 42.4

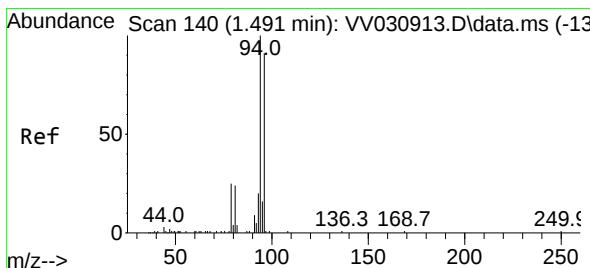
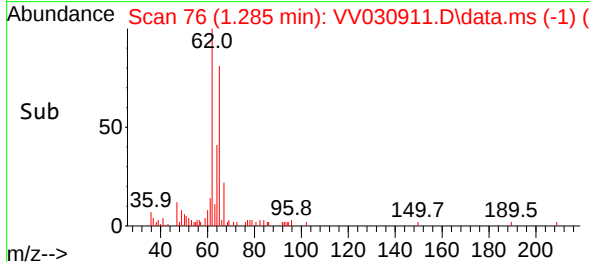
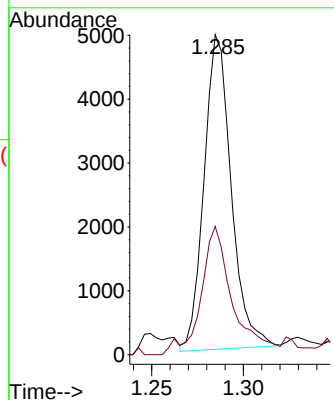
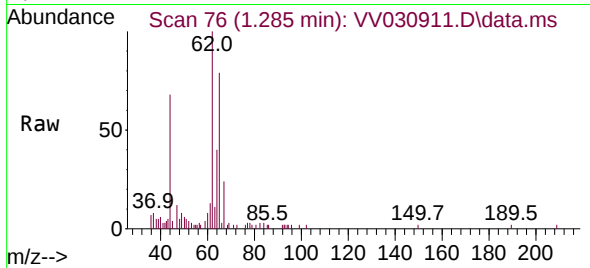




#5
 Vinyl chloride
 Concen: 0.485 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030911.D
 Acq: 28 Apr 2023 10:50

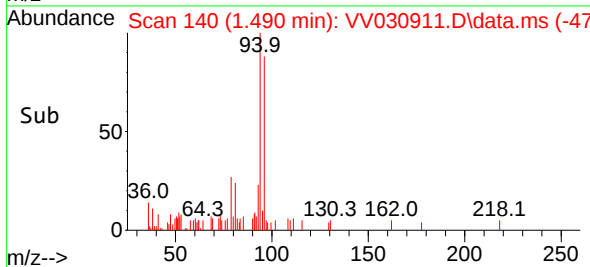
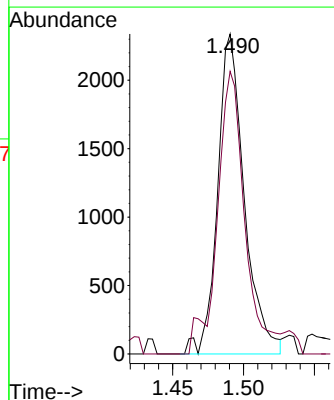
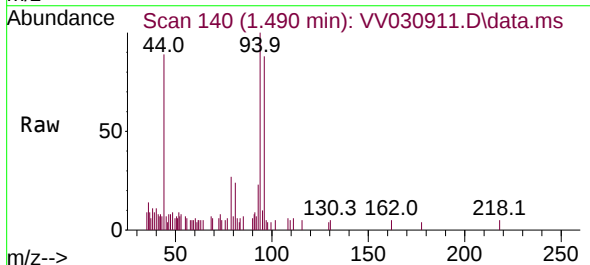
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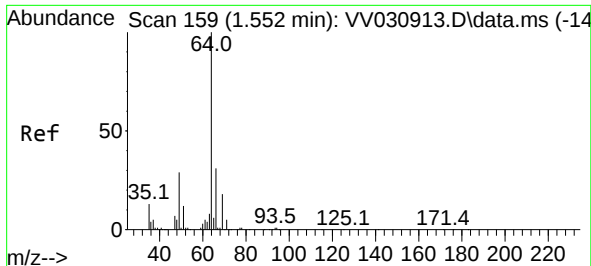
Tgt Ion: 62 Resp: 5086
 Ion Ratio Lower Upper
 62 100
 64 40.0 22.8 42.4



#6
 Bromomethane
 Concen: 0.613 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030911.D
 Acq: 28 Apr 2023 10:50

Tgt Ion: 94 Resp: 3061
 Ion Ratio Lower Upper
 94 100
 96 88.3 63.4 117.8

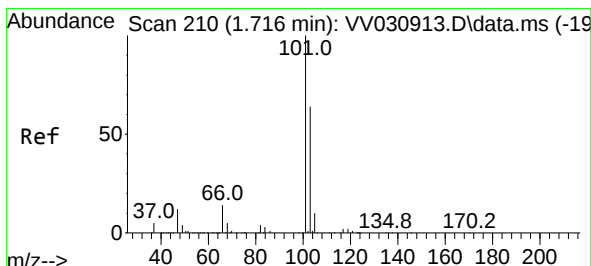
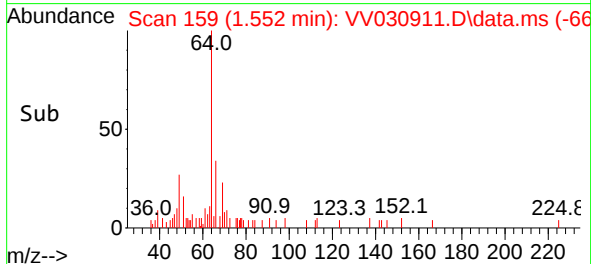
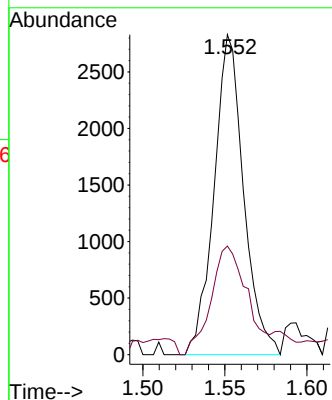
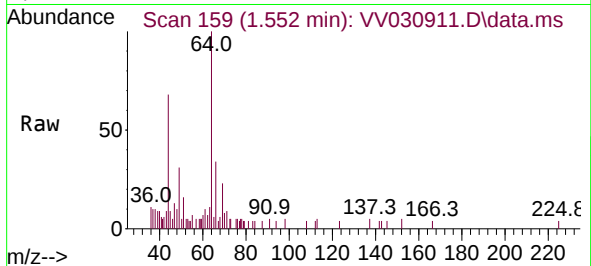




#8
Chloroethane
Concen: 0.555 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

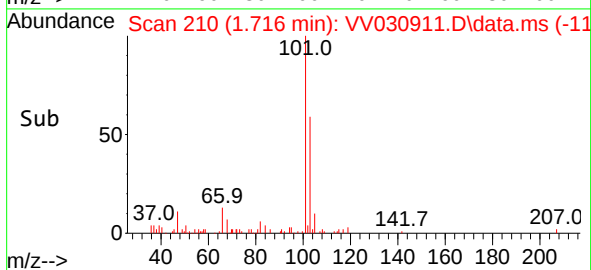
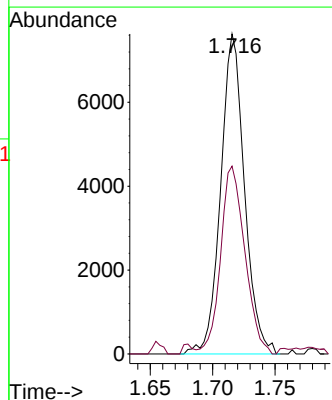
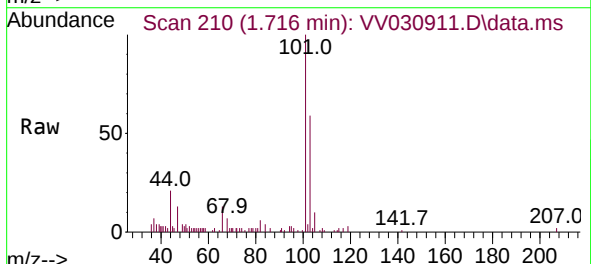
Instrument :
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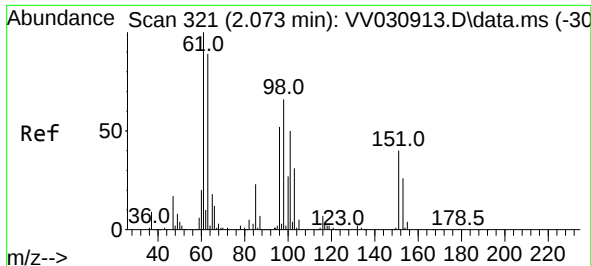
Tgt Ion: 64 Resp: 3542
Ion Ratio Lower Upper
64 100
66 34.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 0.524 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion:101 Resp: 10142
Ion Ratio Lower Upper
101 100
103 59.9 51.8 77.8

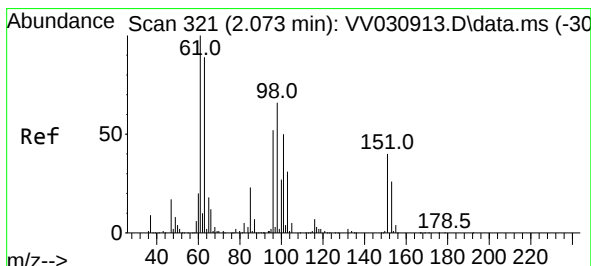
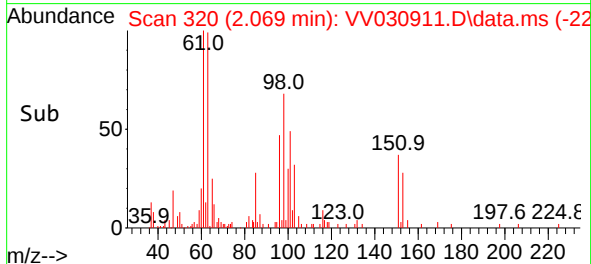
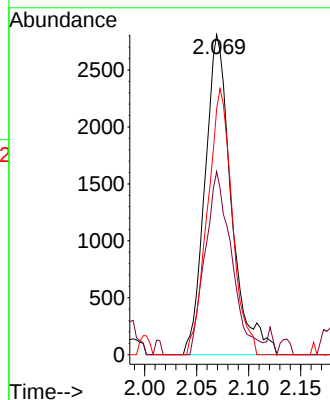
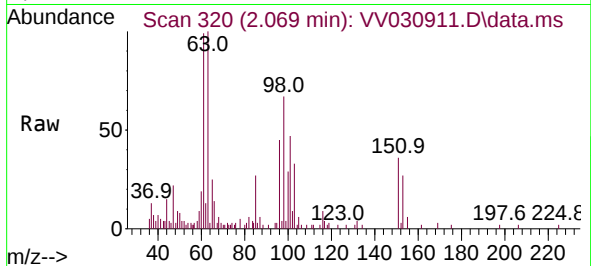




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.503 ug/L
 RT: 2.069 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV030911.D
 Acq: 28 Apr 2023 10:50

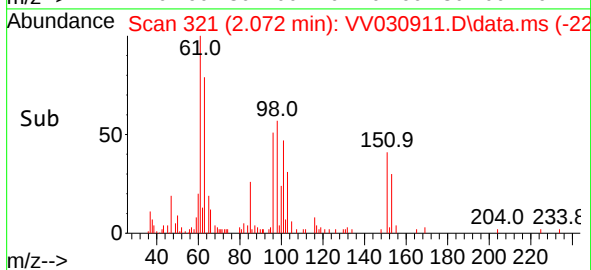
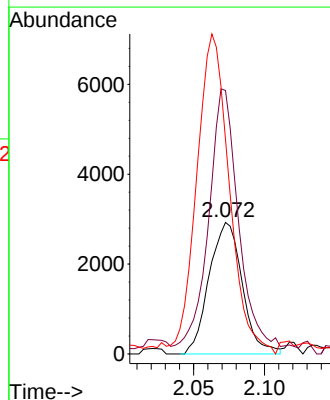
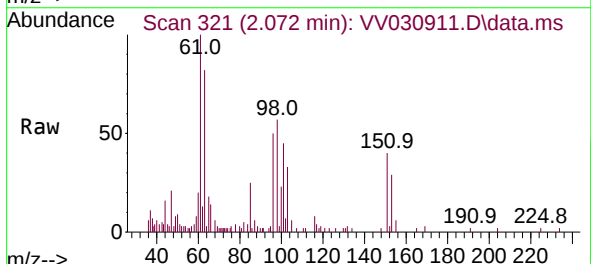
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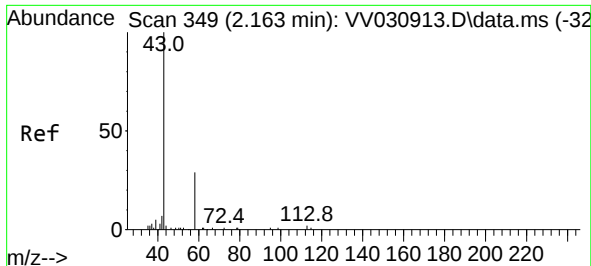
Tgt Ion:101 Resp: 4966
 Ion Ratio Lower Upper
 101 100
 85 57.5 38.7 58.1
 151 78.0 65.1 97.7



#12
 1,1-Dichloroethene
 Concen: 0.523 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV030911.D
 Acq: 28 Apr 2023 10:50

Tgt Ion: 96 Resp: 4757
 Ion Ratio Lower Upper
 96 100
 61 200.3 135.6 251.8
 63 163.3 121.1 224.9

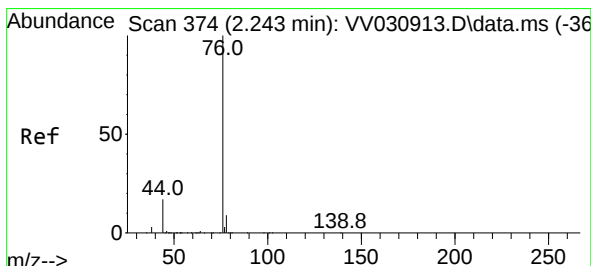
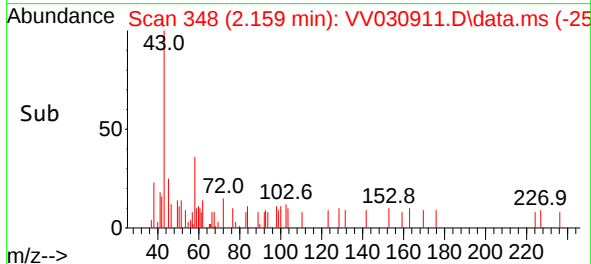
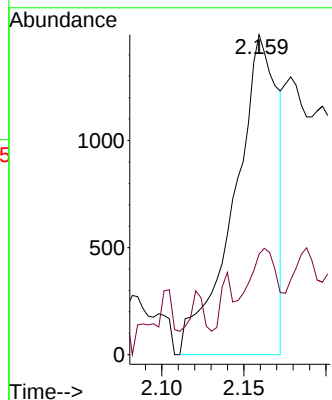
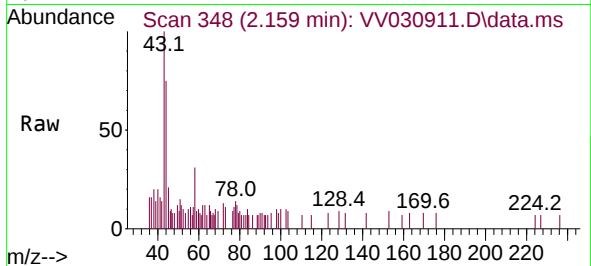




#13
Acetone
Concen: 1.627 ug/L
RT: 2.159 min Scan# 349
Delta R.T. -0.003 min
Lab File: VV030911.D
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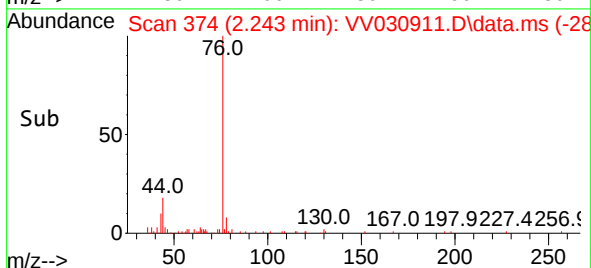
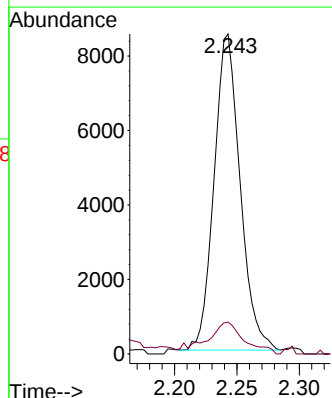
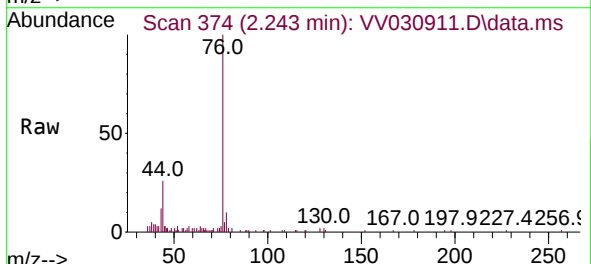
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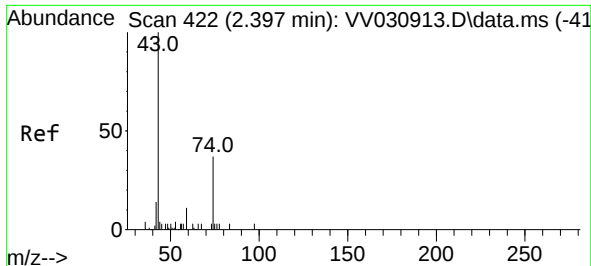
Tgt Ion: 43 Resp: 2745
Ion Ratio Lower Upper
43 100
58 9.7 0.0 37.0



#14
Carbon disulfide
Concen: 0.519 ug/L
RT: 2.243 min Scan# 374
Delta R.T. -0.000 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion: 76 Resp: 12368
Ion Ratio Lower Upper
76 100
78 9.9 6.8 10.2

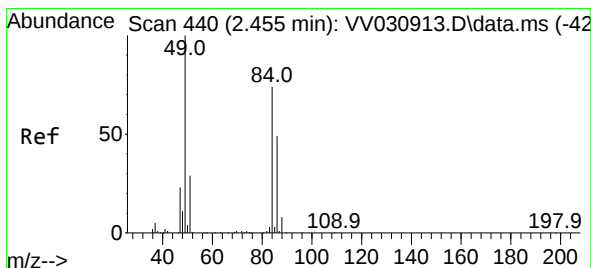
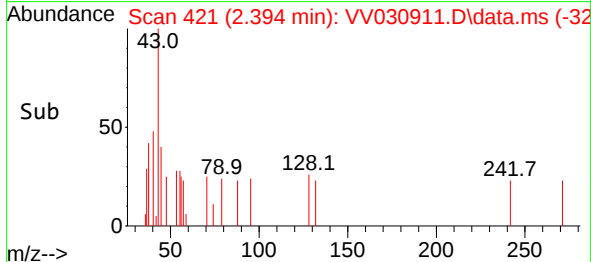
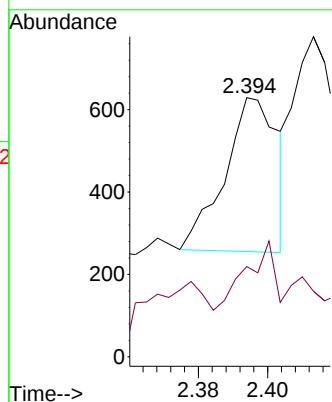
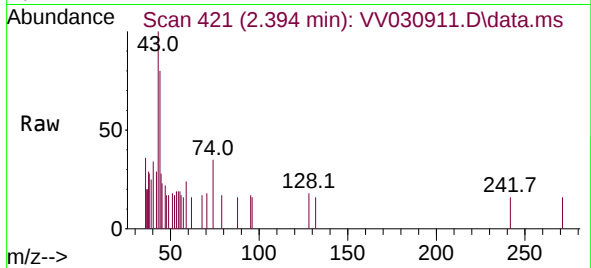




#15
Methyl Acetate
Concen: 0.115 ug/L
RT: 2.394 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

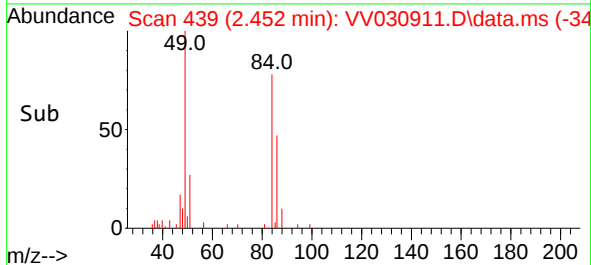
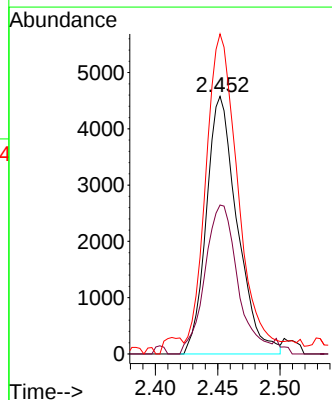
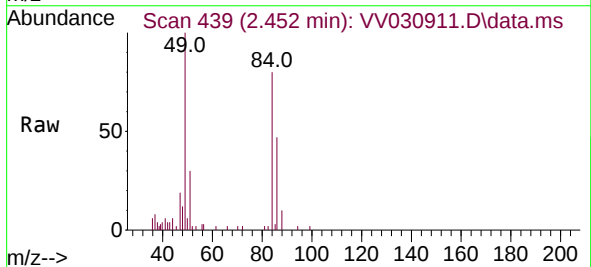
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ClientSampleId :
VSTD0.5233

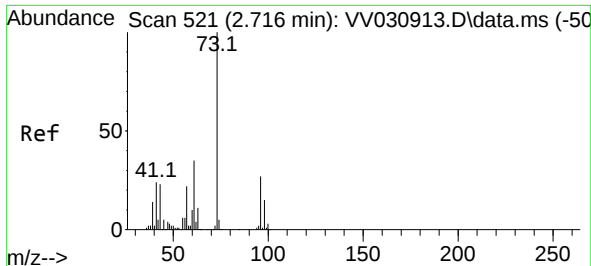
Tgt Ion: 43 Resp: 393
Ion Ratio Lower Upper
43 100
74 29.5 15.0 22.6#



#16
Methylene chloride
Concen: 0.766 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion: 84 Resp: 7890
Ion Ratio Lower Upper
84 100
86 57.8 46.1 85.5
49 124.3 94.3 175.1





#17

Methyl tert-butyl Ether

Concen: 0.474 ug/L

RT: 2.719 min Scan# 516

Delta R.T. 0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5233

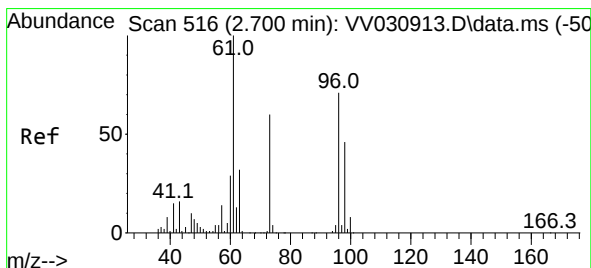
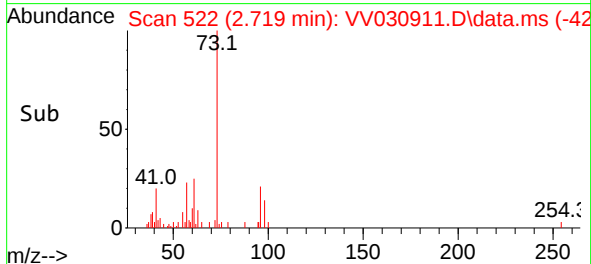
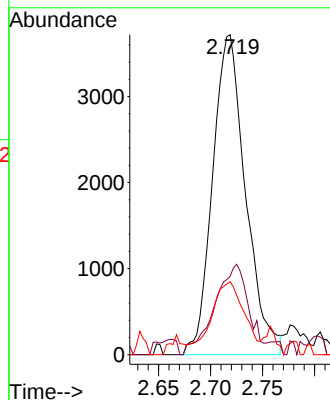
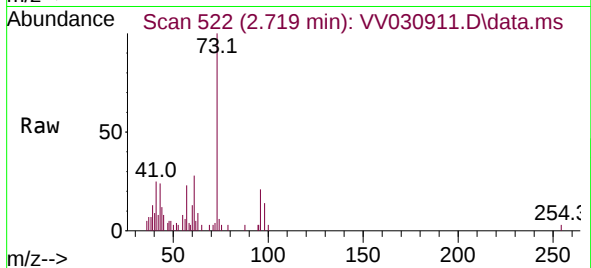
Tgt Ion: 73 Resp: 8208

Ion Ratio Lower Upper

73 100

43 28.8 19.9 29.9

57 20.8 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 0.507 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

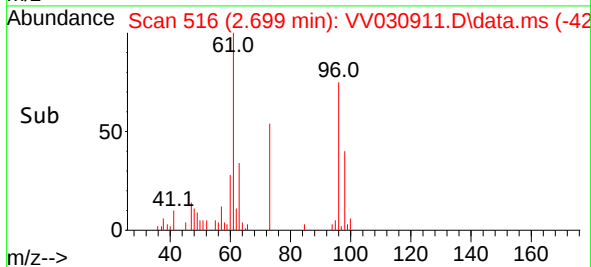
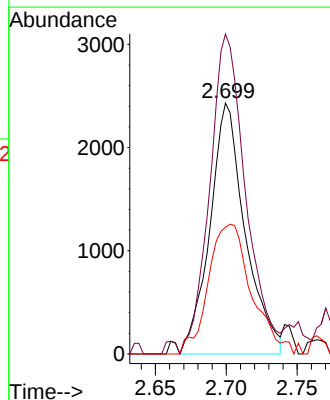
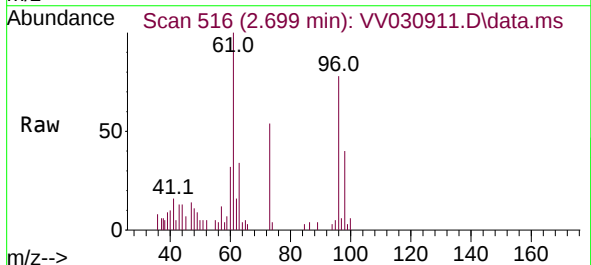
Tgt Ion: 96 Resp: 4211

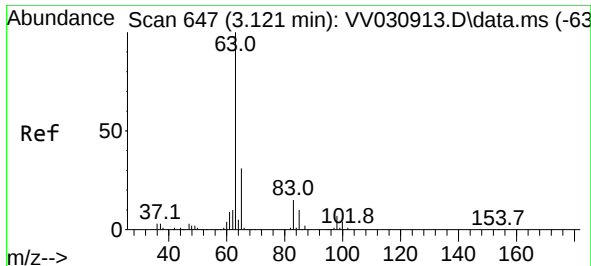
Ion Ratio Lower Upper

96 100

61 127.5 98.9 183.7

98 50.5 46.0 85.4

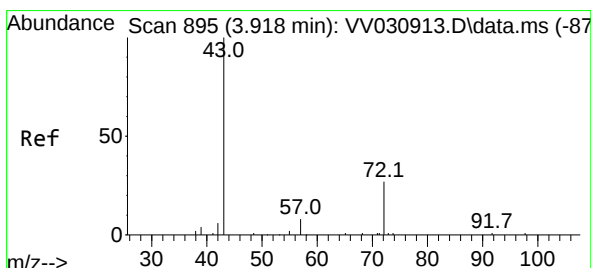
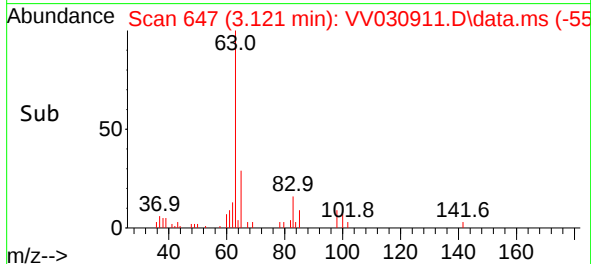
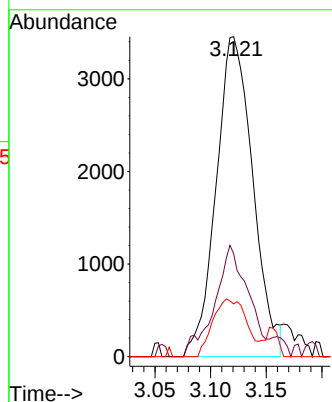
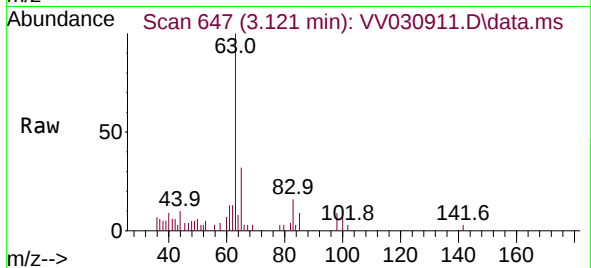




#19
1,1-Dichloroethane
Concen: 0.493 ug/L
RT: 3.121 min Scan# 647
Delta R.T. -0.000 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

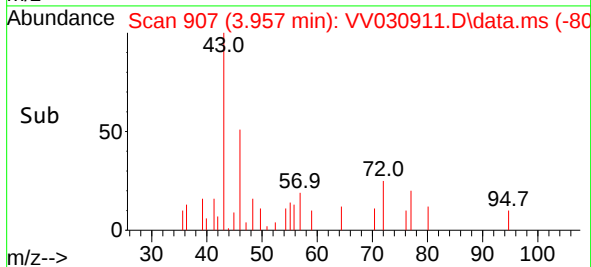
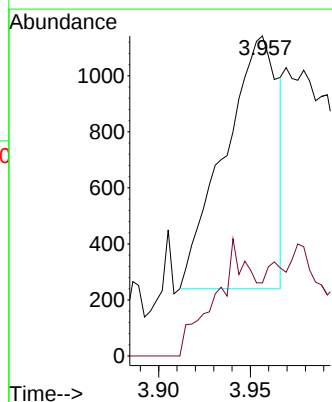
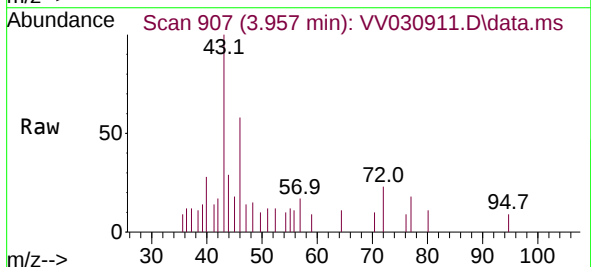
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5233

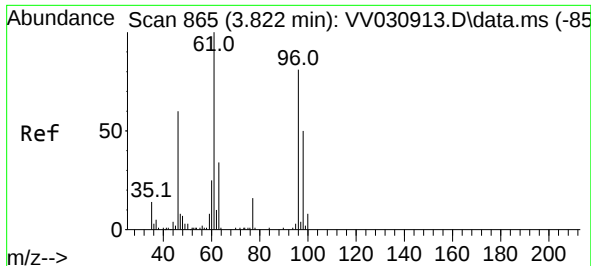
Tgt Ion: 63 Resp: 7917
Ion Ratio Lower Upper
63 100
65 32.2 21.8 40.6
83 16.5 10.2 19.0



#21
2-Butanone
Concen: 0.974 ug/L
RT: 3.957 min Scan# 907
Delta R.T. 0.038 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion: 43 Resp: 1815
Ion Ratio Lower Upper
43 100
72 13.5 9.6 28.6





#22

cis-1,2-Dichloroethene

Concen: 0.502 ug/L

RT: 3.831 min Scan# 868

Delta R.T. 0.010 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5233

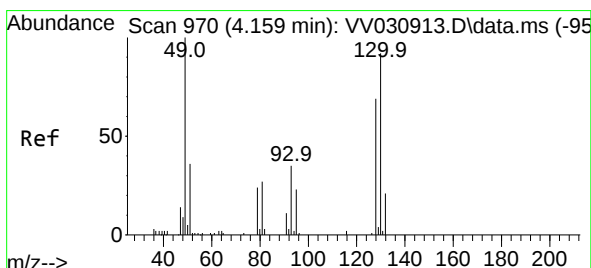
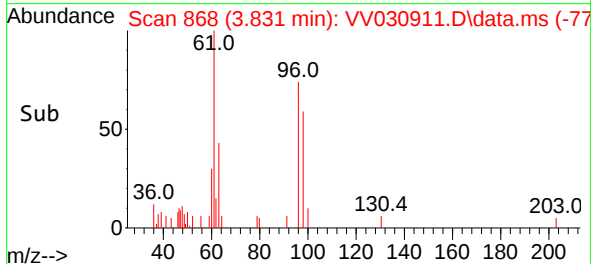
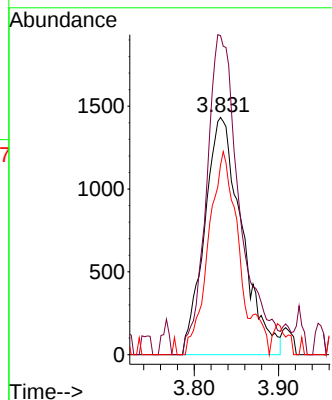
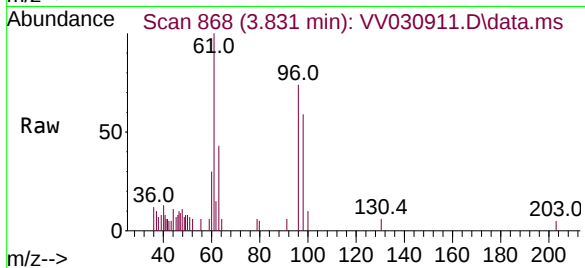
Tgt Ion: 96 Resp: 4402

Ion Ratio Lower Upper

96 100

61 134.4 86.0 159.6

98 79.9 43.2 80.2



#23

Bromochloromethane

Concen: 0.505 ug/L

RT: 4.162 min Scan# 971

Delta R.T. 0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Tgt Ion:128 Resp: 2085

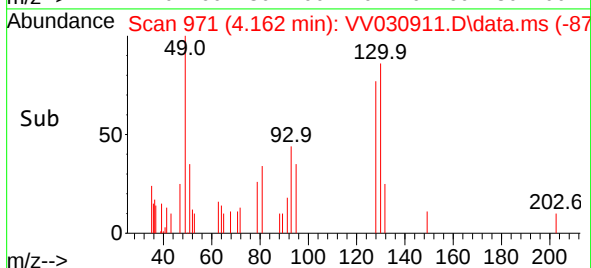
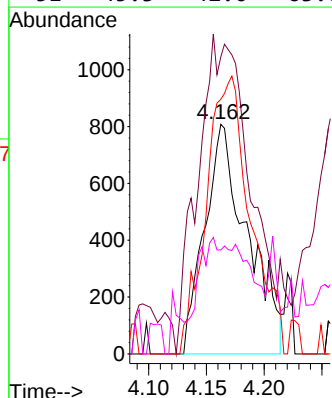
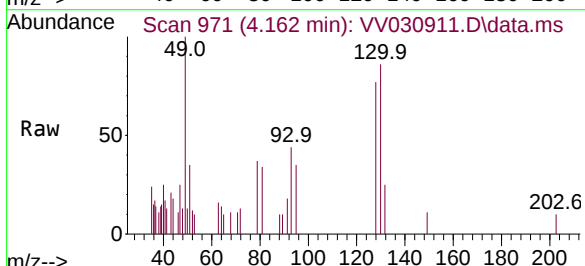
Ion Ratio Lower Upper

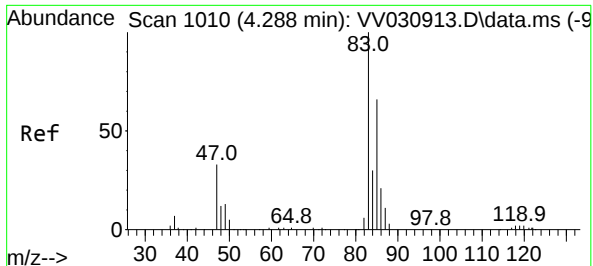
128 100

49 129.5 104.7 194.5

130 110.9 93.4 173.4

51 45.3 42.0 63.0





#25

Chloroform

Concen: 0.483 ug/L

RT: 4.294 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

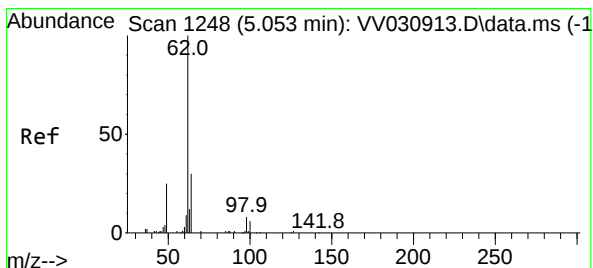
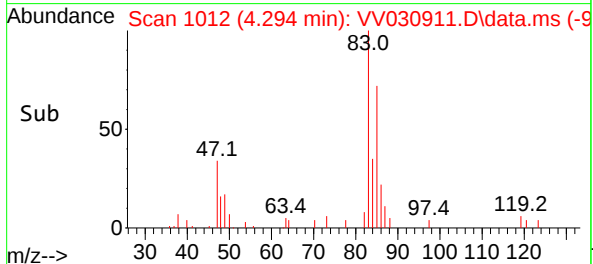
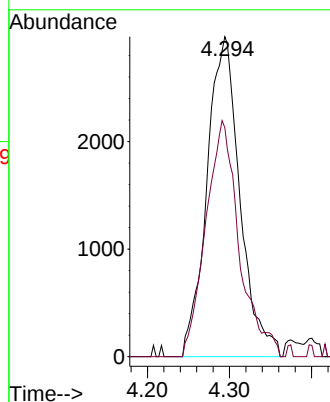
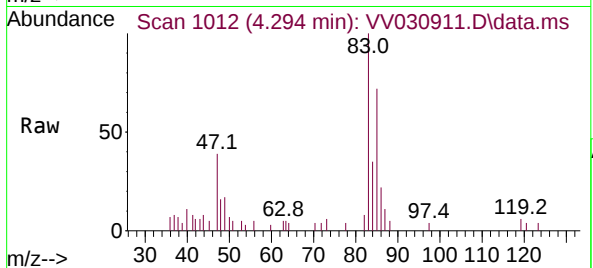
VSTD0.5233

Tgt Ion: 83 Resp: 8325

Ion Ratio Lower Upper

83 100

85 71.5 46.4 86.2



#27

1,2-Dichloroethane

Concen: 0.479 ug/L

RT: 5.063 min Scan# 1251

Delta R.T. 0.010 min

Lab File: VV030911.D

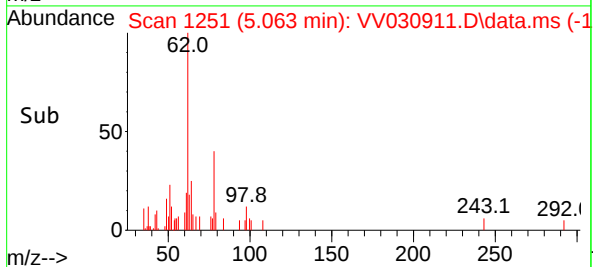
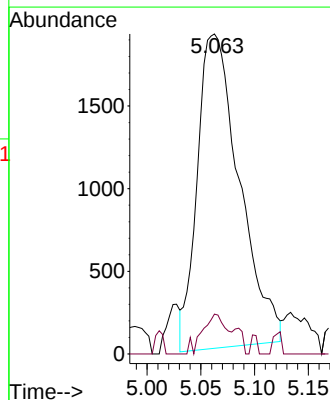
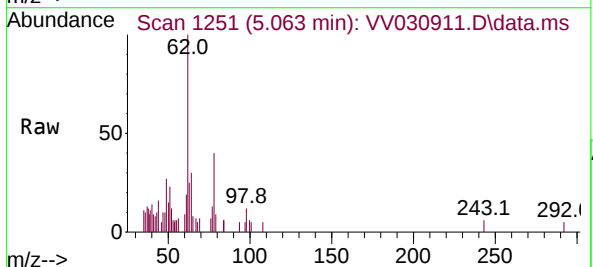
Acq: 28 Apr 2023 10:50

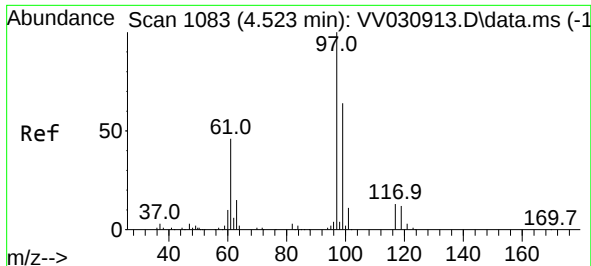
Tgt Ion: 62 Resp: 5177

Ion Ratio Lower Upper

62 100

98 12.4 6.0 9.0#





#29

1,1,1-Trichloroethane

Concen: 0.509 ug/L

RT: 4.519 min Scan# 1102

Delta R.T. -0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5233

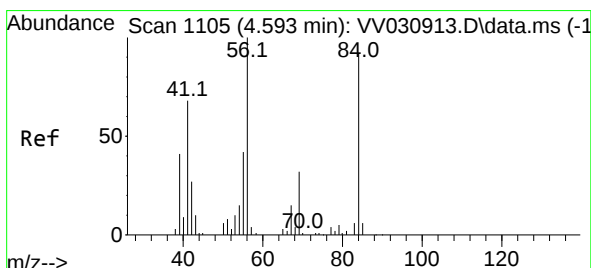
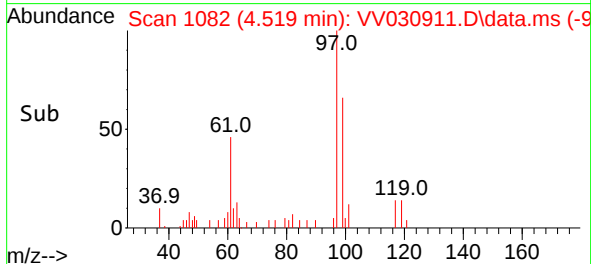
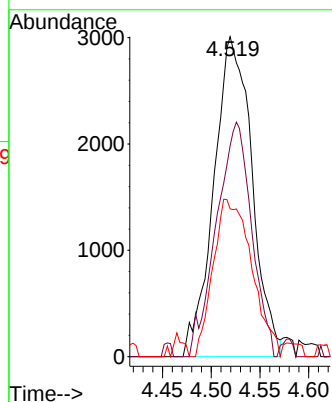
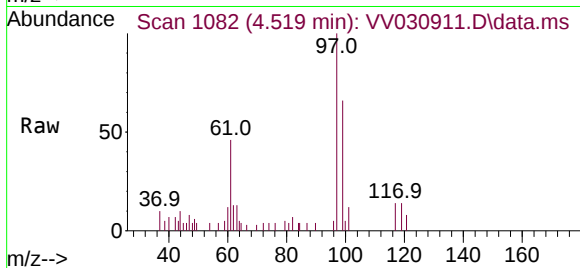
Tgt Ion: 97 Resp: 8171

Ion Ratio Lower Upper

97 100

99 68.0 51.4 77.2

61 49.8 37.4 56.0



#30

Cyclohexane

Concen: 0.476 ug/L

RT: 4.584 min Scan# 1102

Delta R.T. -0.010 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

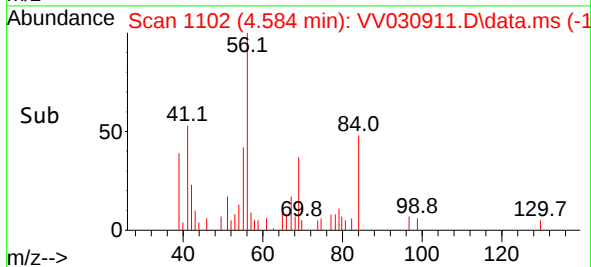
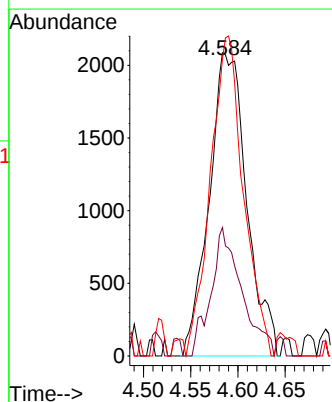
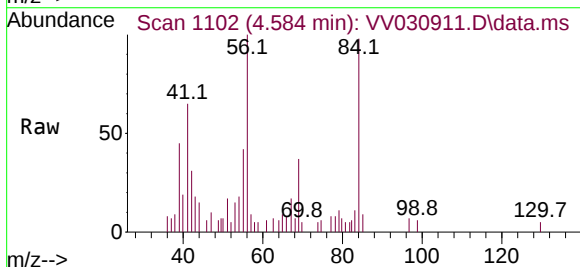
Tgt Ion: 56 Resp: 5763

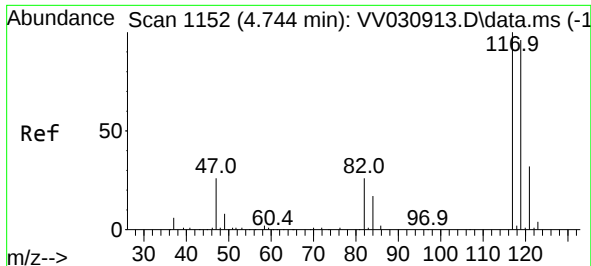
Ion Ratio Lower Upper

56 100

69 34.8 25.0 37.6

84 92.7 74.2 111.2

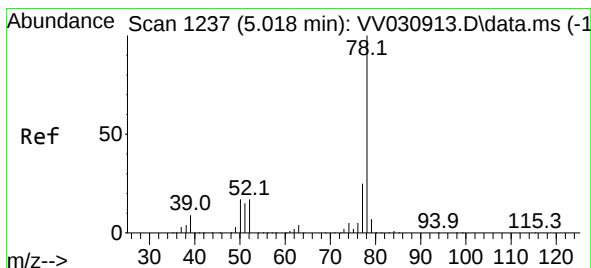
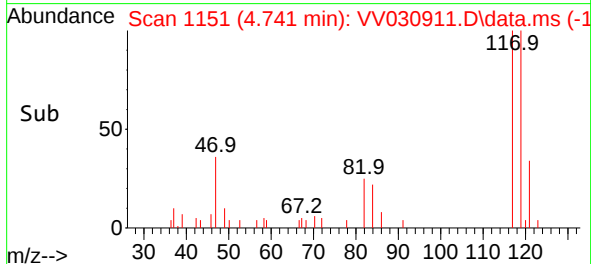
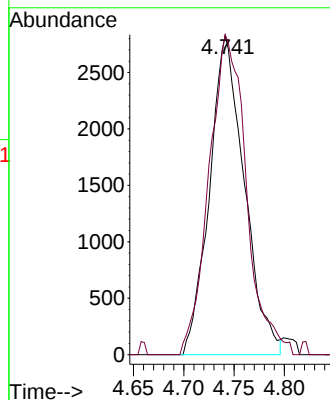
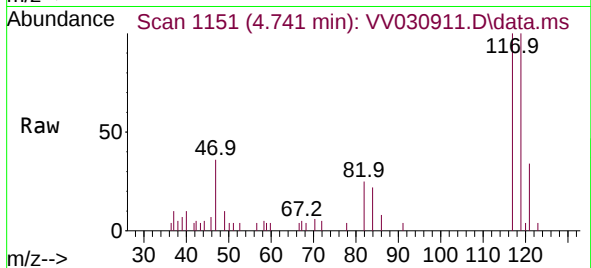




#31
Carbon tetrachloride
Concen: 0.472 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

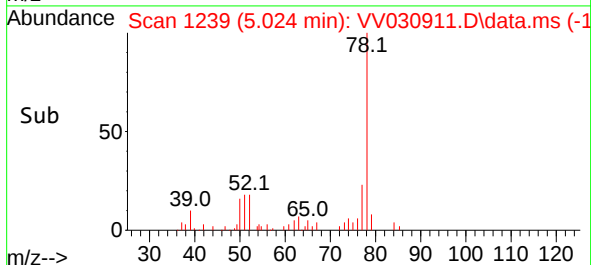
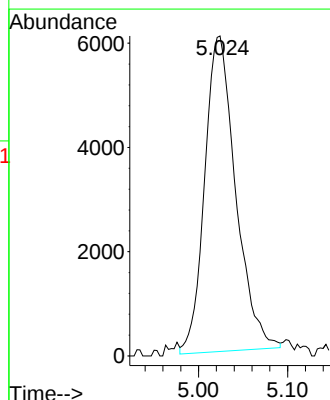
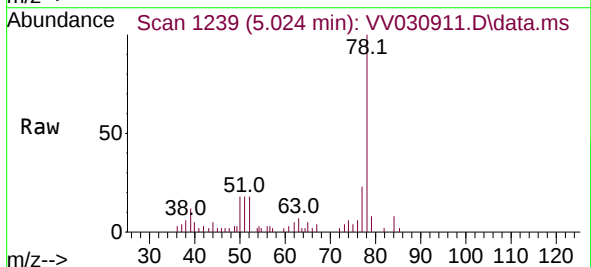
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5233

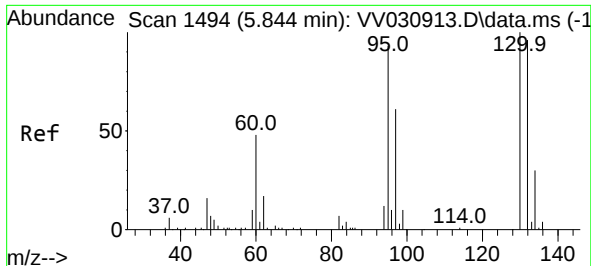
Tgt Ion:117 Resp: 6795
Ion Ratio Lower Upper
117 100
119 107.5 78.4 117.6



#33
Benzene
Concen: 0.456 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion: 78 Resp: 14651



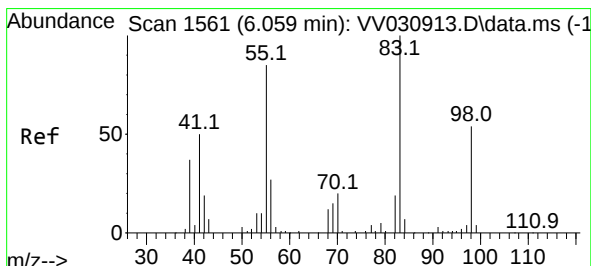
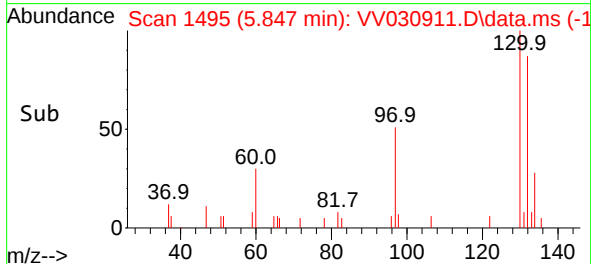
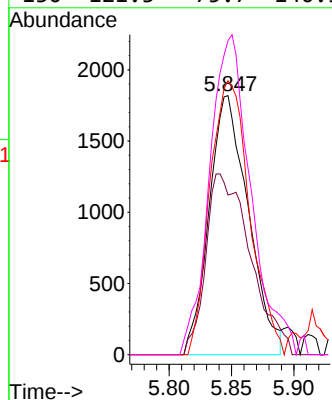
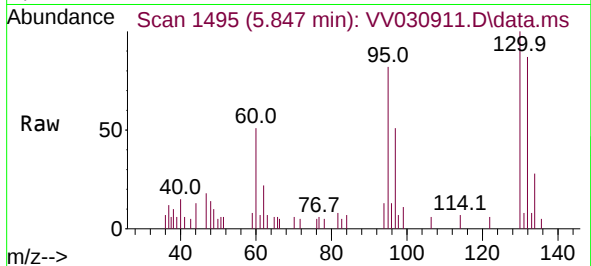


#34
Trichloroethene
Concen: 0.465 ug/L
RT: 5.847 min Scan# 1494
Delta R.T. 0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5233

Tgt Ion: 95 Resp: 3979

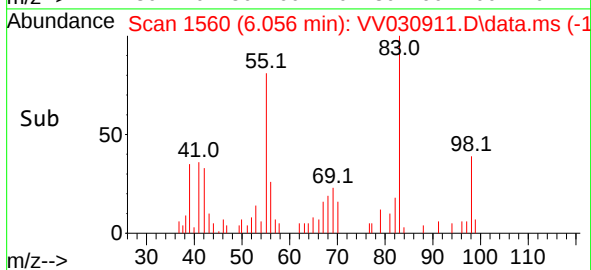
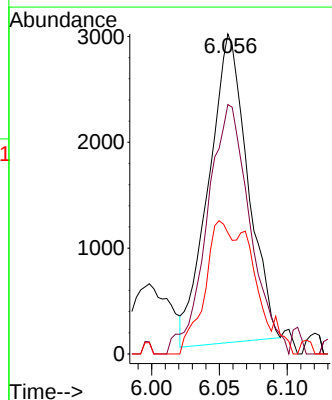
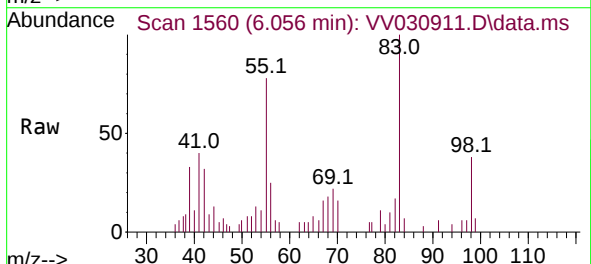
Ion	Ratio	Lower	Upper
95	100		
97	61.7	46.2	85.8
132	105.7	72.7	135.1
130	121.3	75.7	140.5

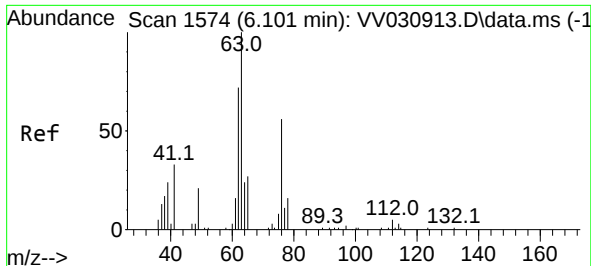


#35
Methylcyclohexane
Concen: 0.440 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion: 83 Resp: 5831

Ion	Ratio	Lower	Upper
83	100		
55	89.0	62.9	94.3
98	29.6	40.5	60.7





#37

1,2-Dichloropropane

Concen: 0.504 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

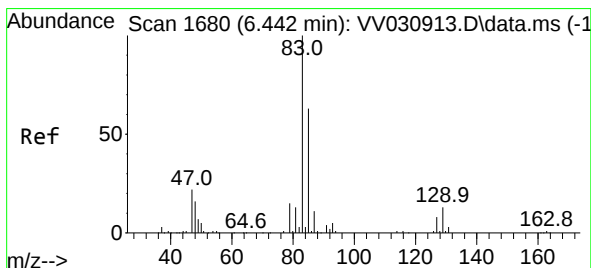
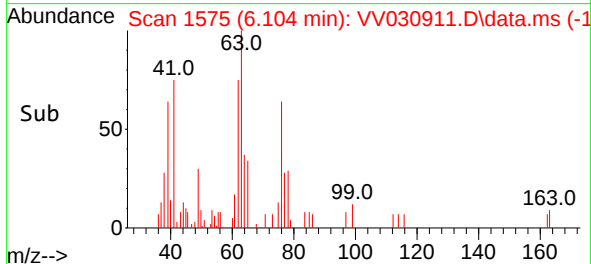
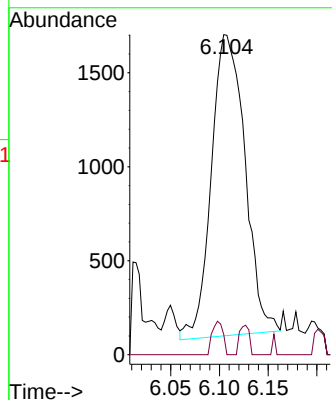
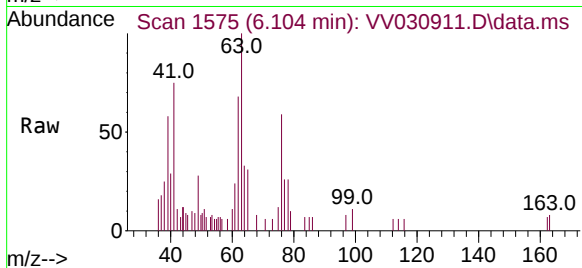
VSTD0.5233

Tgt Ion: 63 Resp: 3837

Ion Ratio Lower Upper

63 100

112 3.5 3.8 5.8#



#38

Bromodichloromethane

Concen: 0.489 ug/L

RT: 6.445 min Scan# 1681

Delta R.T. 0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

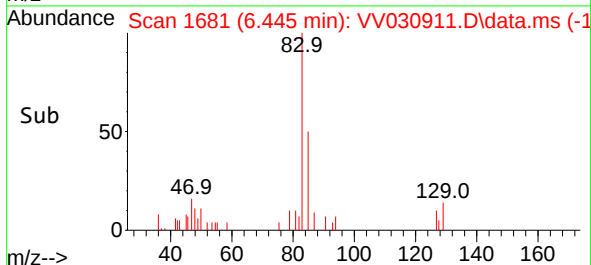
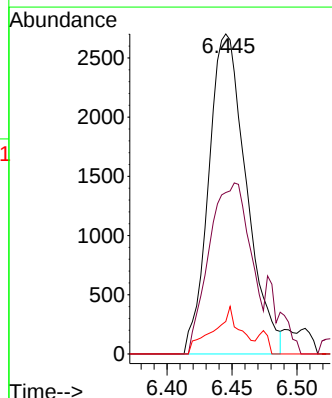
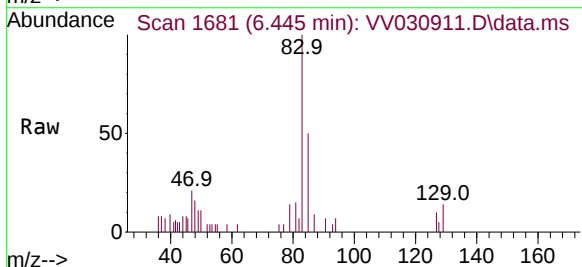
Tgt Ion: 83 Resp: 5451

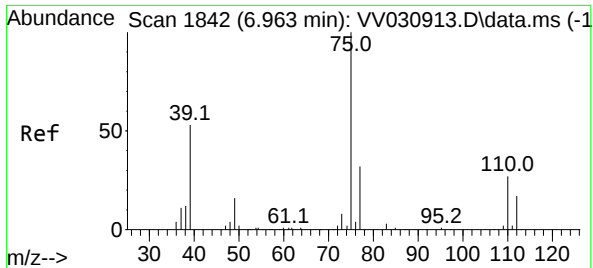
Ion Ratio Lower Upper

83 100

85 50.4 44.4 82.4

127 14.8 6.6 9.8#

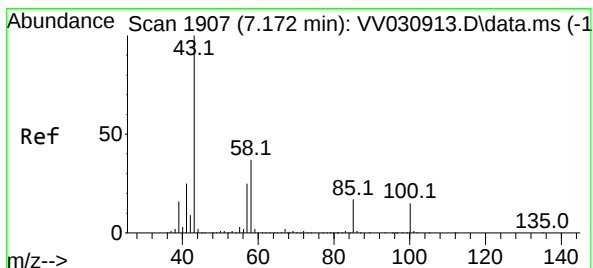
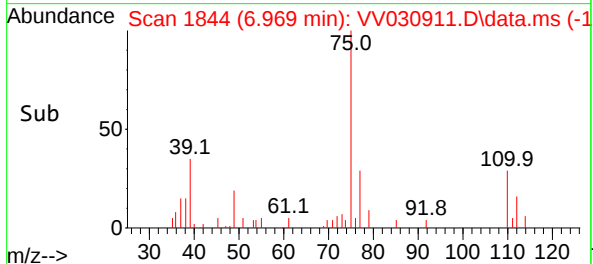
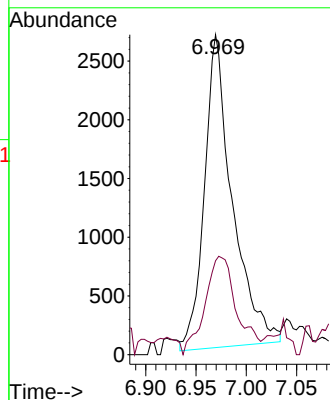
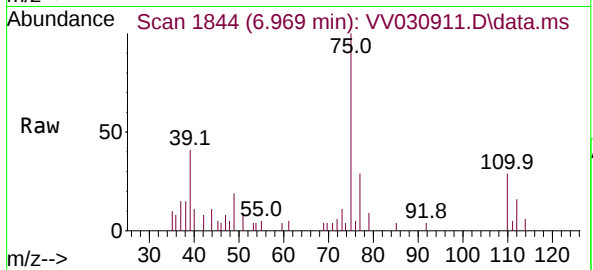




#39
 cis-1,3-Dichloropropene
 Concen: 0.451 ug/L
 RT: 6.969 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VV030911.D
 Acq: 28 Apr 2023 10:50

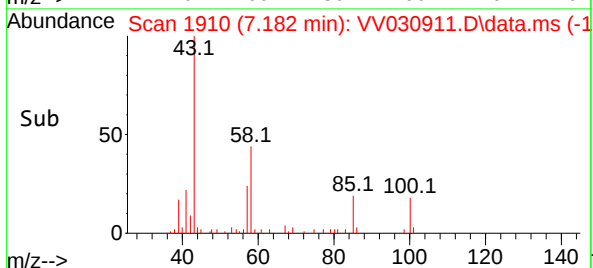
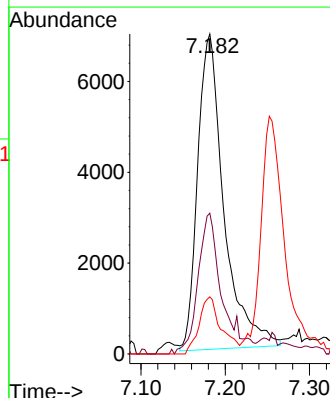
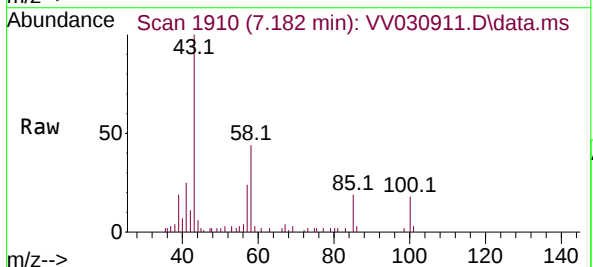
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5233

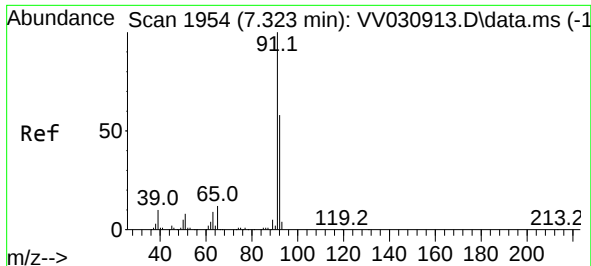
Tgt Ion: 75 Resp: 5144
 Ion Ratio Lower Upper
 75 100
 77 29.3 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 3.816 ug/L
 RT: 7.182 min Scan# 1910
 Delta R.T. 0.010 min
 Lab File: VV030911.D
 Acq: 28 Apr 2023 10:50

Tgt Ion: 43 Resp: 15062
 Ion Ratio Lower Upper
 43 100
 58 39.0 28.3 42.5
 100 15.4 11.8 17.8





#42

Toluene

Concen: 0.426 ug/L

RT: 7.329 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

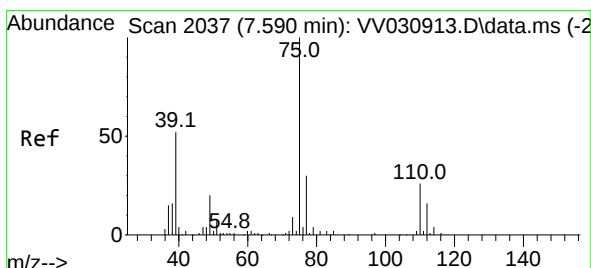
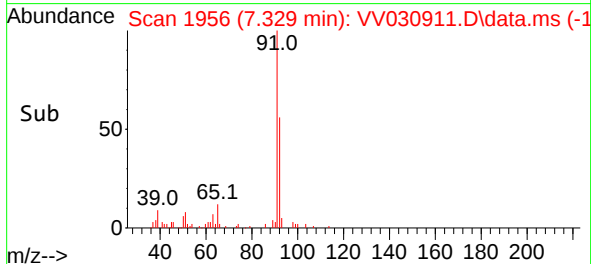
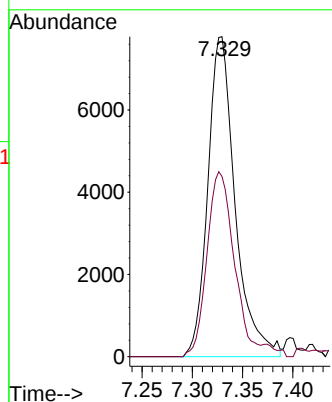
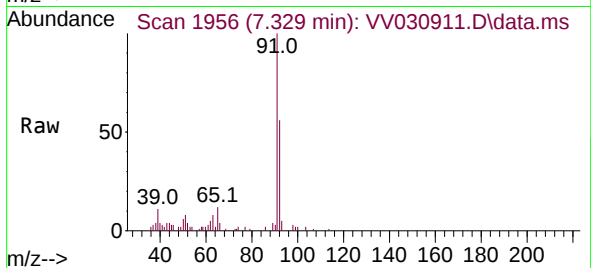
VSTD0.5233

Tgt Ion: 91 Resp: 14728

Ion Ratio Lower Upper

91 100

92 56.4 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 0.439 ug/L

RT: 7.600 min Scan# 2040

Delta R.T. 0.010 min

Lab File: VV030911.D

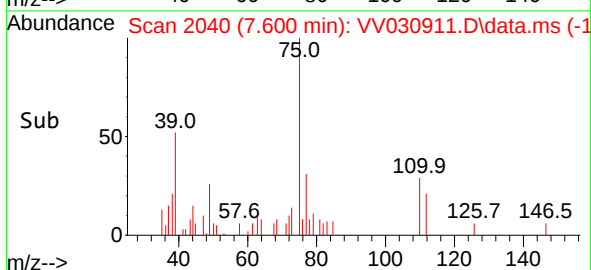
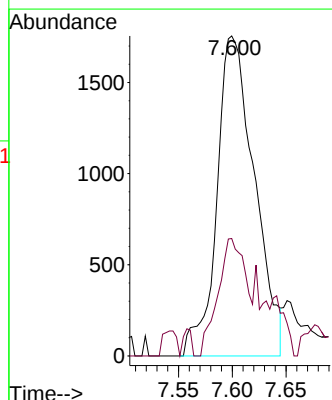
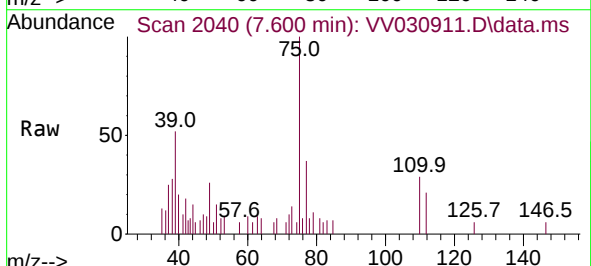
Acq: 28 Apr 2023 10:50

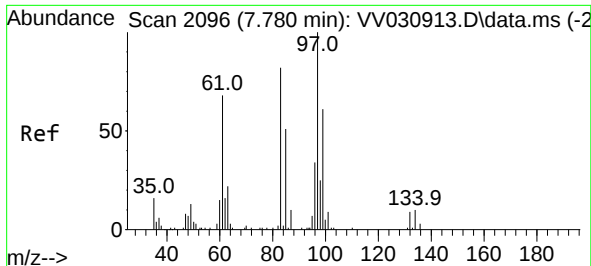
Tgt Ion: 75 Resp: 4272

Ion Ratio Lower Upper

75 100

77 36.7 21.6 40.0

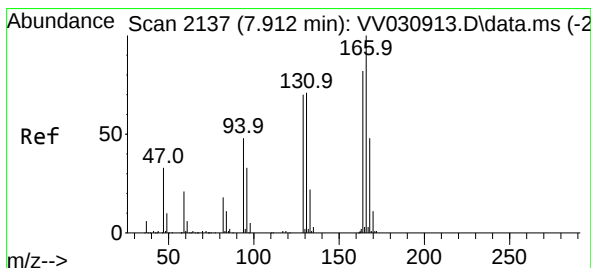
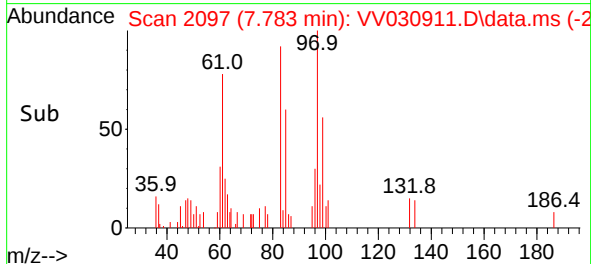
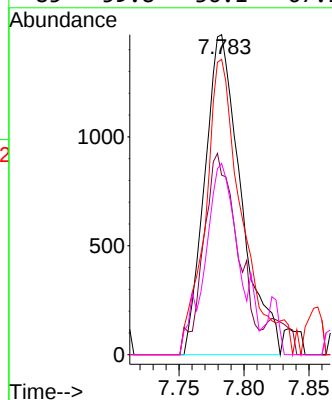
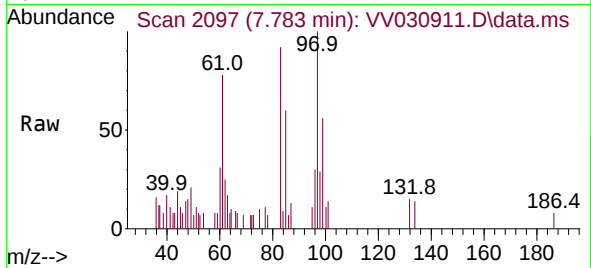




#45
1,1,2-Trichloroethane
Concen: 0.503 ug/L
RT: 7.783 min Scan# 2096
Delta R.T. 0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

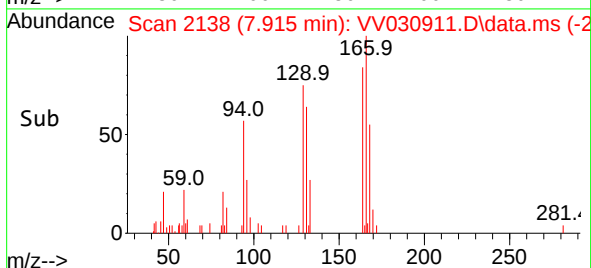
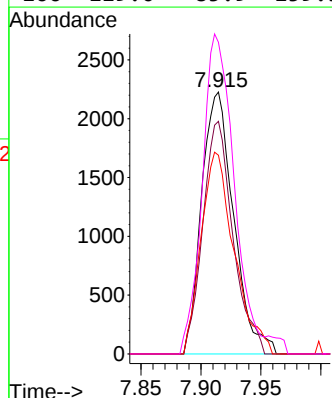
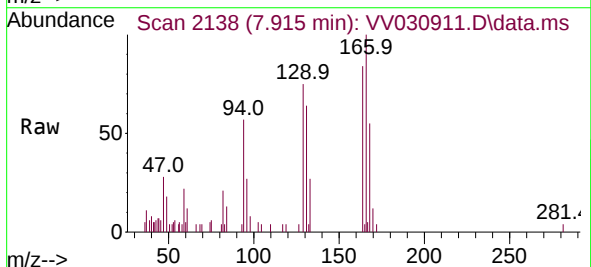
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5233

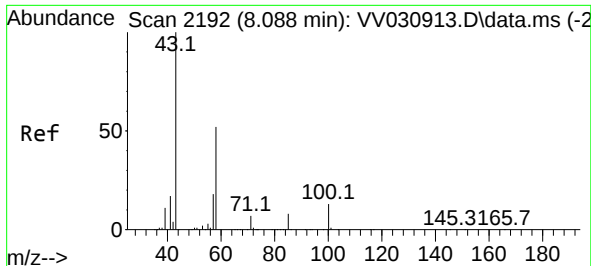
Tgt Ion: 97	Resp: 2843
Ion Ratio	Lower Upper
97 100	
99 56.1	42.8 79.6
83 92.3	57.5 106.7
85 59.8	36.1 67.1



#47
Tetrachloroethene
Concen: 0.507 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt	Ion:164	Resp:	4144
Ion	Ratio	Lower	Upper
164	100		
129	88.8	60.5	112.3
131	75.9	60.8	112.8
166	119.0	85.9	159.5

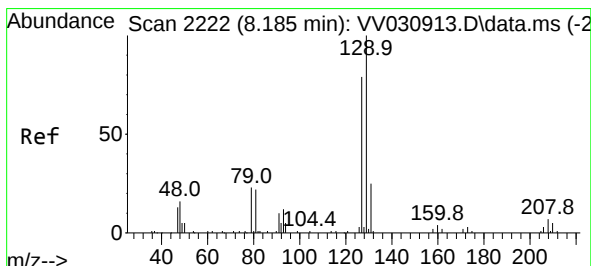
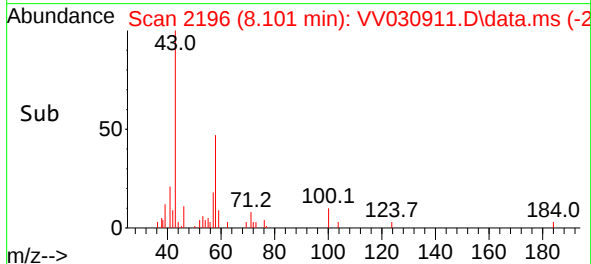
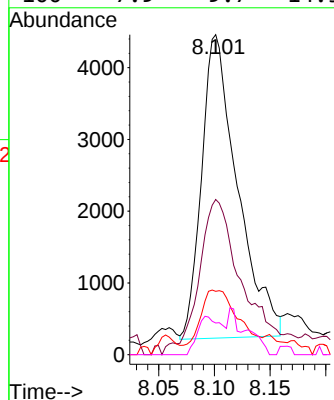
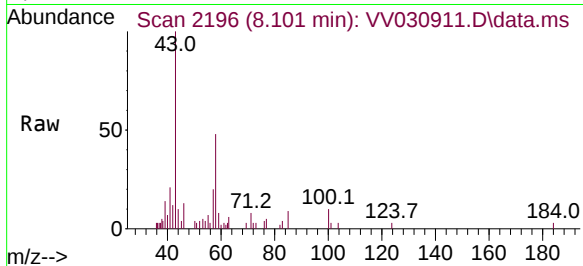




#48
2-Hexanone
Concen: 3.298 ug/L
RT: 8.101 min Scan# 2196
Delta R.T. 0.013 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

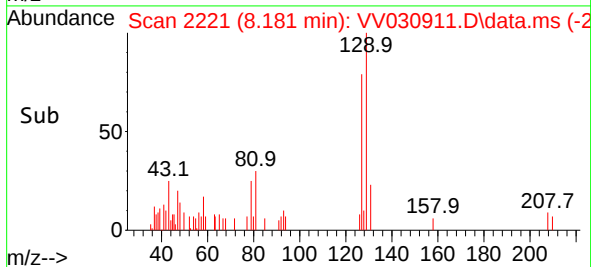
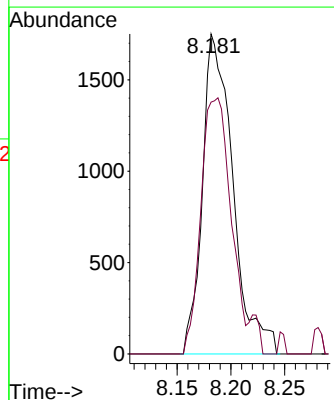
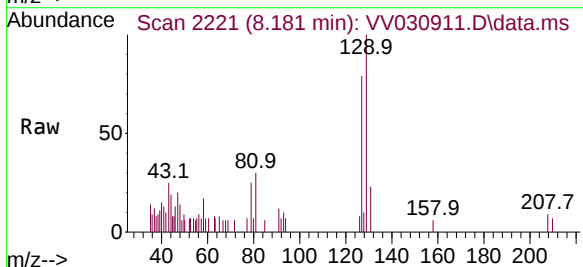
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5233

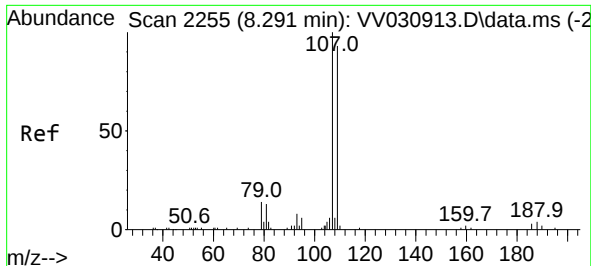
Tgt Ion: 43 Resp: 9475
Ion Ratio Lower Upper
43 100
58 61.4 39.9 59.9#
57 19.0 14.1 21.1
100 7.9 9.7 14.5#



#49
Dibromochloromethane
Concen: 0.485 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion: 129 Resp: 3445
Ion Ratio Lower Upper
129 100
127 78.7 55.3 102.7





#50

1,2-Dibromoethane

Concen: 0.442 ug/L

RT: 8.297 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5233

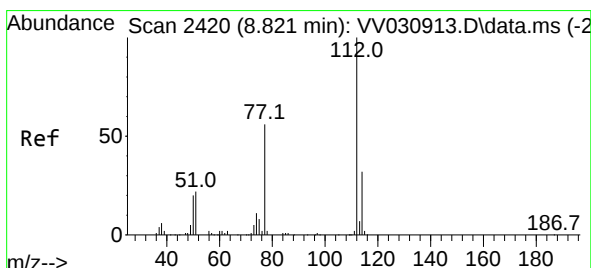
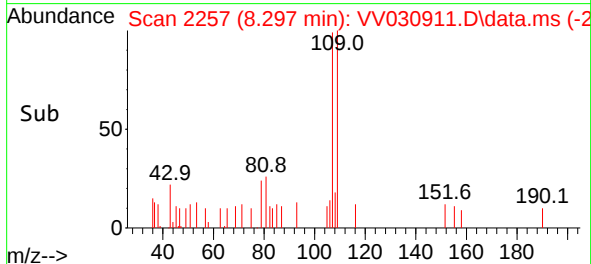
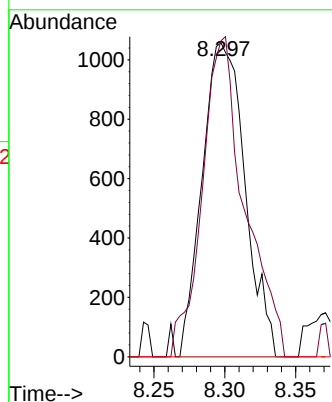
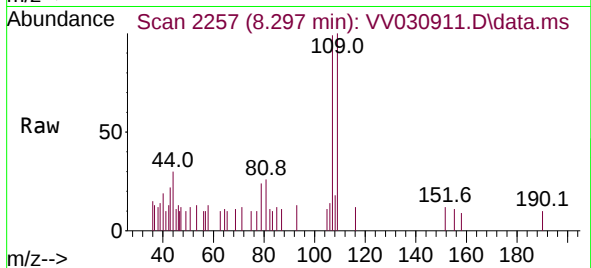
Tgt Ion:107 Resp: 2226

Ion Ratio Lower Upper

107 100

109 100.7 64.9 120.5

188 0.0 3.2 4.8#



#51

Chlorobenzene

Concen: 0.489 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

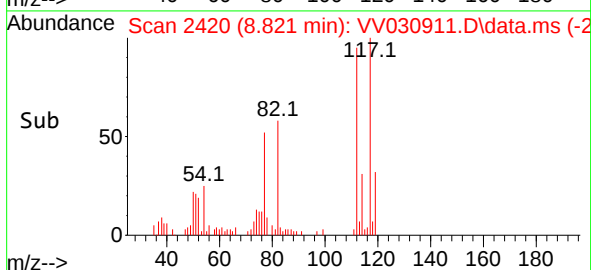
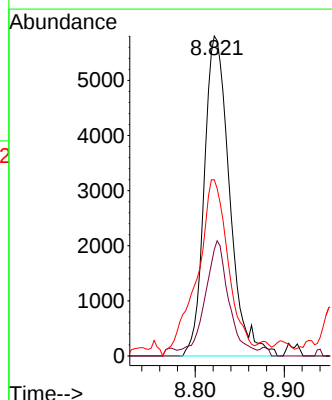
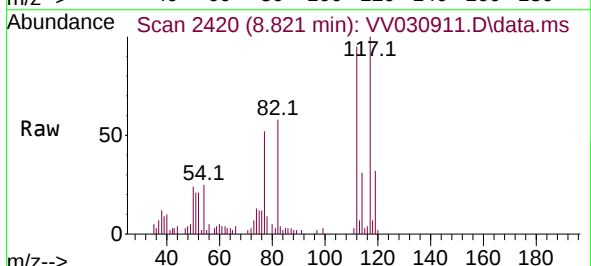
Tgt Ion:112 Resp: 11457

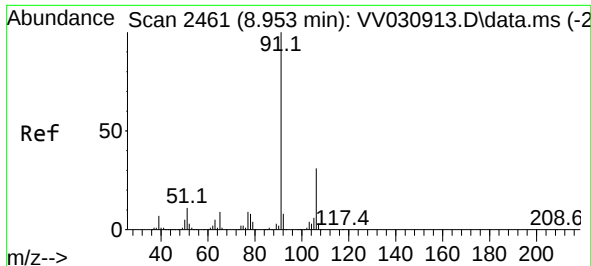
Ion Ratio Lower Upper

112 100

114 33.3 22.5 41.9

77 55.1 45.3 67.9





#52

Ethylbenzene

Concen: 0.427 ug/L

RT: 8.956 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

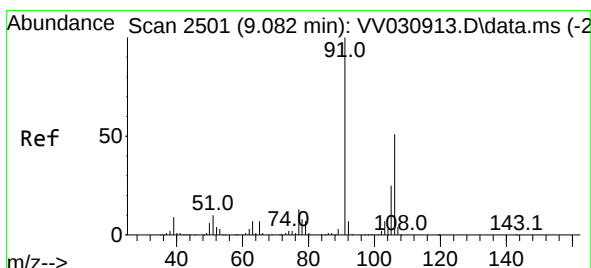
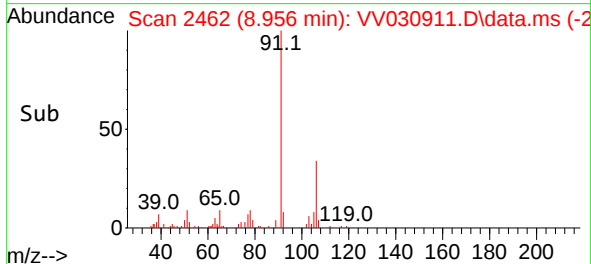
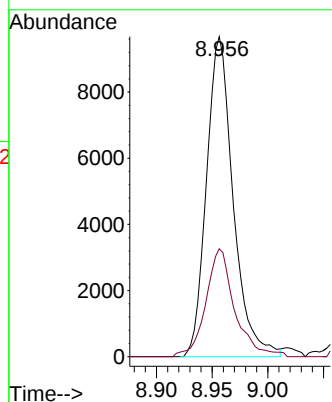
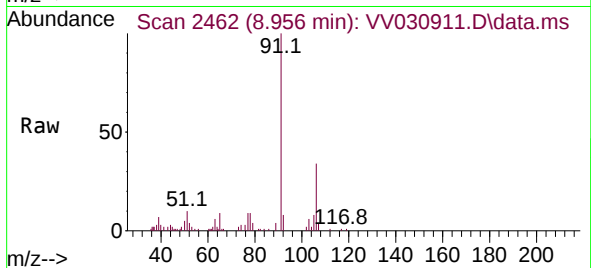
VSTD0.5233

Tgt Ion: 91 Resp: 16110

Ion Ratio Lower Upper

91 100

106 33.7 21.4 39.8



#53

m,p-Xylene

Concen: 0.423 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. -0.000 min

Lab File: VV030911.D

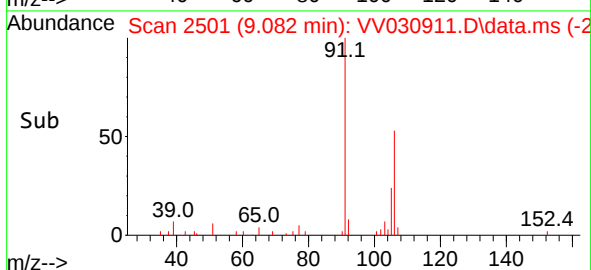
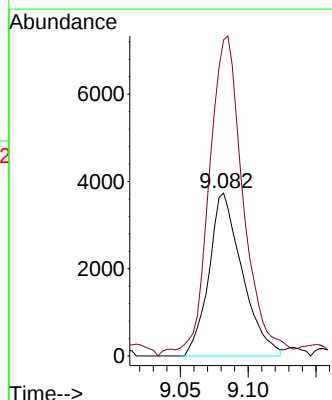
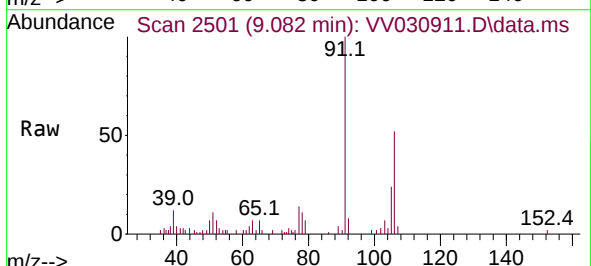
Acq: 28 Apr 2023 10:50

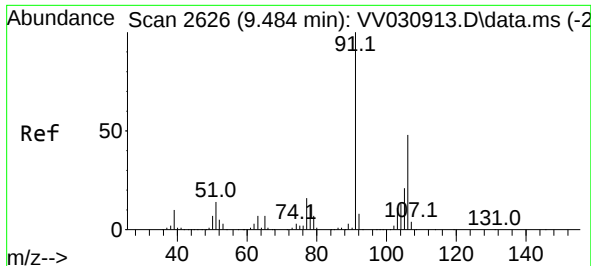
Tgt Ion: 106 Resp: 6362

Ion Ratio Lower Upper

106 100

91 194.0 138.7 257.5

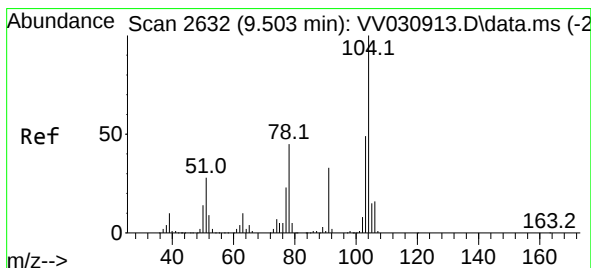
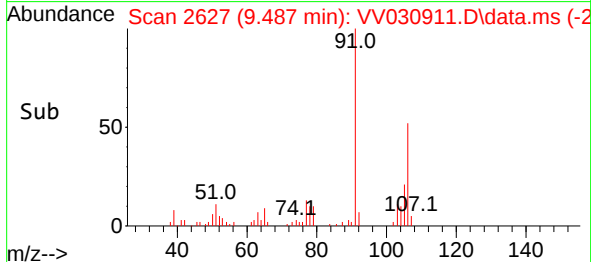
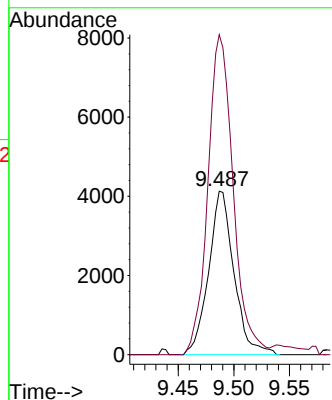
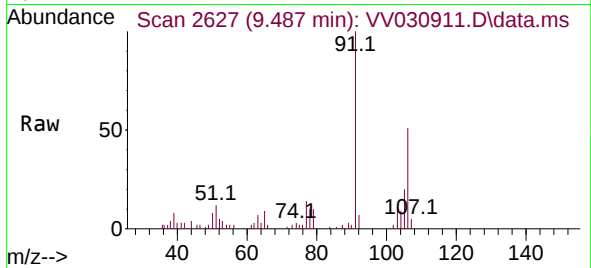




#54
o-Xylene
Concen: 0.457 ug/L
RT: 9.487 min Scan# 2626
Delta R.T. 0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

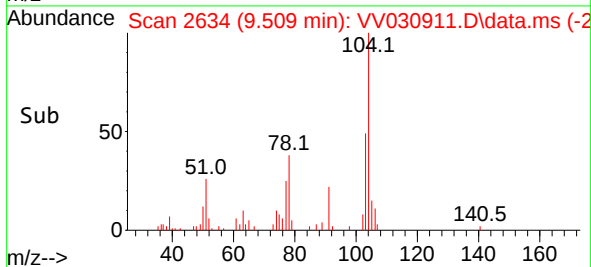
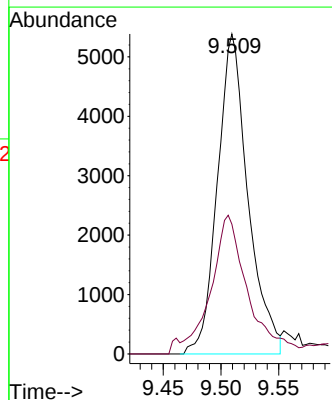
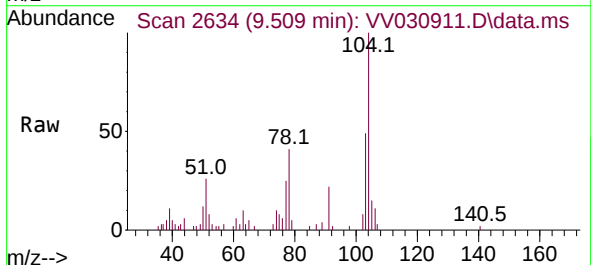
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5233

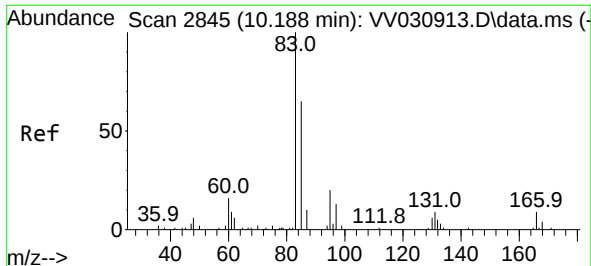
Tgt Ion:106 Resp: 6546
Ion Ratio Lower Upper
106 100
91 195.7 145.1 269.5



#55
Styrene
Concen: 0.411 ug/L
RT: 9.509 min Scan# 2634
Delta R.T. 0.006 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion:104 Resp: 9926
Ion Ratio Lower Upper
104 100
78 40.6 31.4 58.2

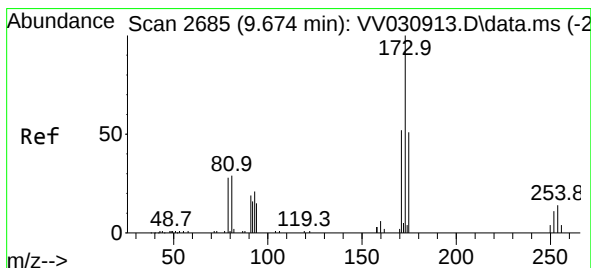
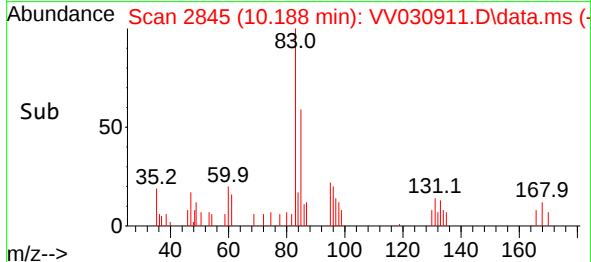
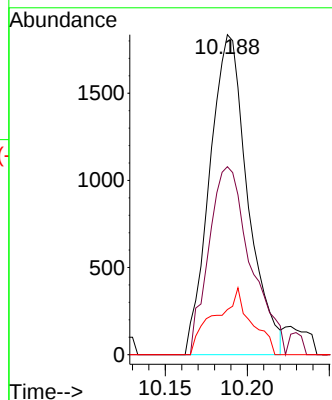
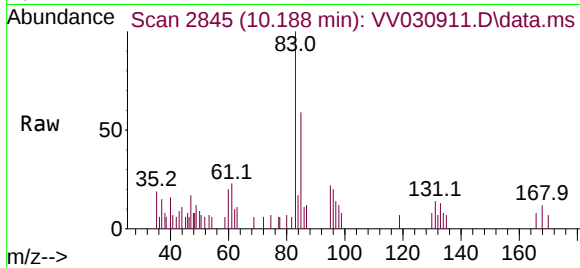




#57
1,1,2,2-Tetrachloroethane
Concen: 0.469 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

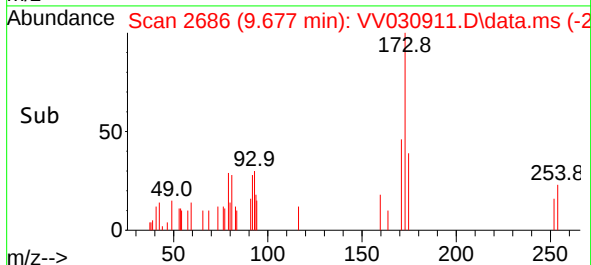
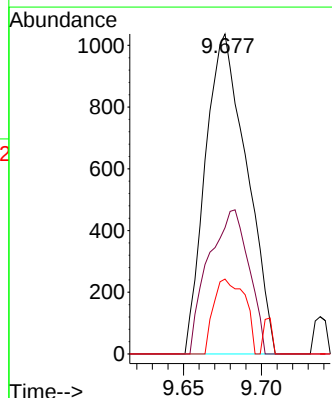
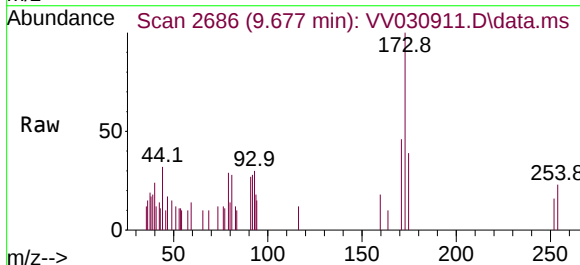
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5233

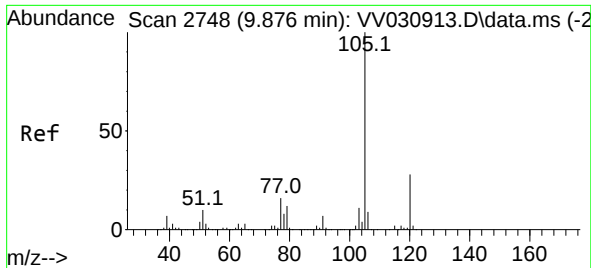
Tgt Ion: 83 Resp: 2962
Ion Ratio Lower Upper
83 100
85 58.8 45.2 84.0
131 14.1 8.3 12.5#



#59
Bromoform
Concen: 0.502 ug/L
RT: 9.677 min Scan# 2686
Delta R.T. 0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion: 173 Resp: 1911
Ion Ratio Lower Upper
173 100
175 44.0 39.9 59.9
254 17.6 9.7 14.5#

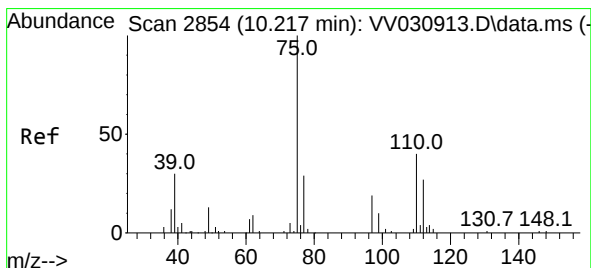
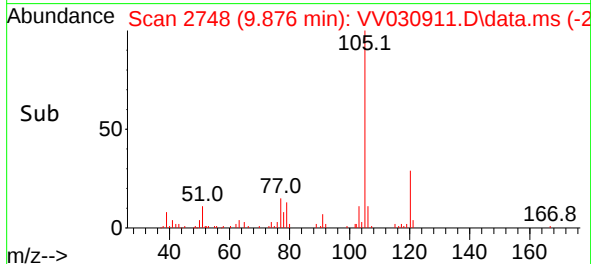
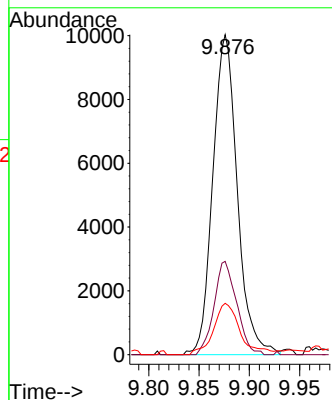
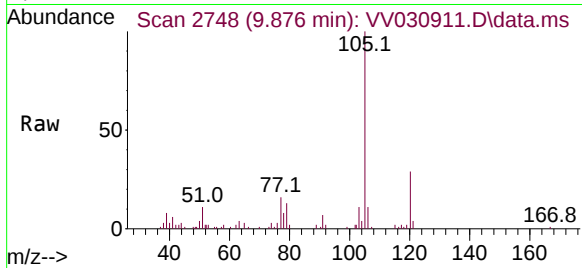




#60
Isopropylbenzene
Concen: 0.486 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

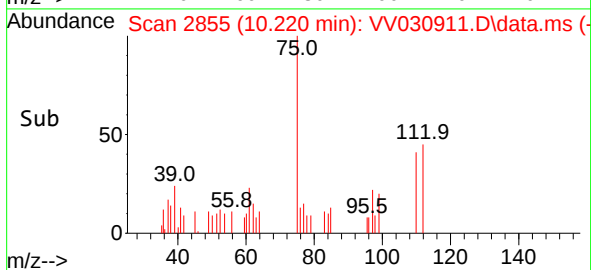
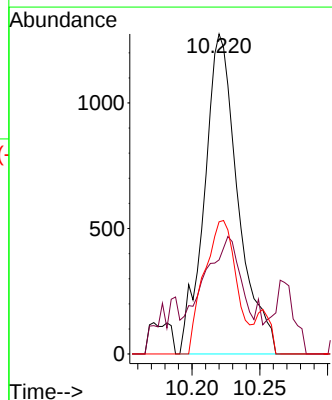
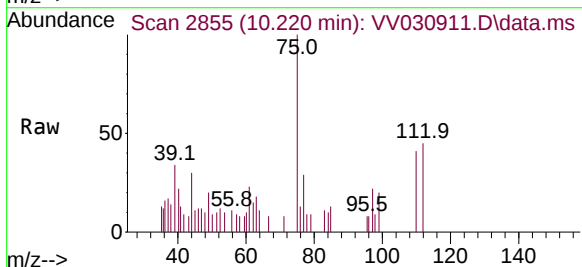
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5233

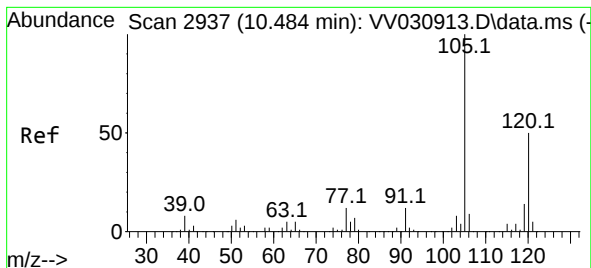
Tgt Ion:	105	Resp:	16964
Ion	Ratio	Lower	Upper
105	100		
120	26.9	22.2	33.4
77	17.3	13.0	19.6



#61
1,2,3-Trichloropropane
Concen: 0.541 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion:	75	Resp:	2200
Ion	Ratio	Lower	Upper
75	100		
77	42.7	25.3	37.9
110	39.9	34.0	51.0





#62

1,3,5-Trimethylbenzene

Concen: 0.480 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

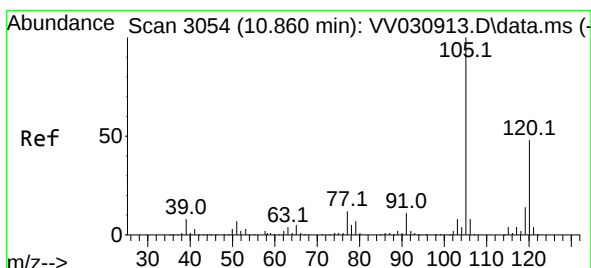
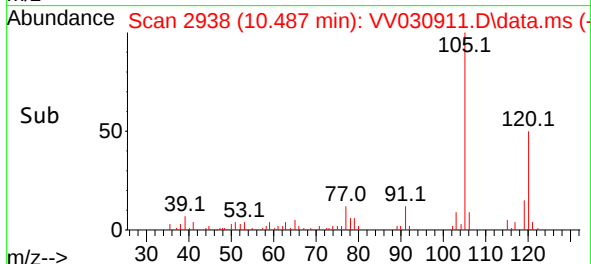
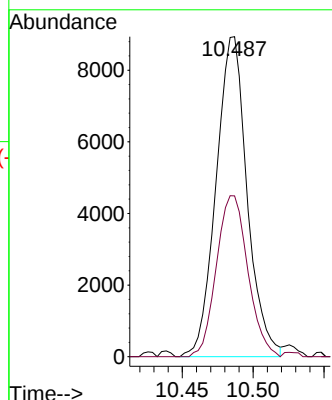
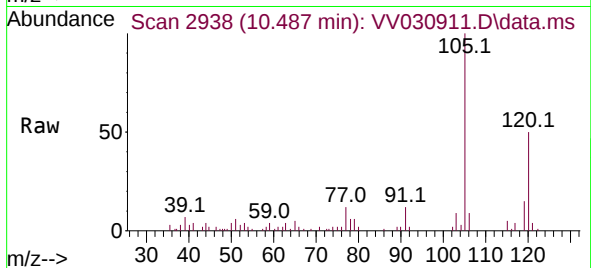
VSTD0.5233

Tgt Ion:105 Resp: 13644

Ion Ratio Lower Upper

105 100

120 50.9 40.2 60.4



#63

1,2,4-Trimethylbenzene

Concen: 0.468 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030911.D

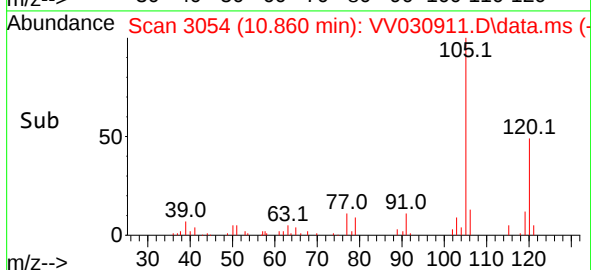
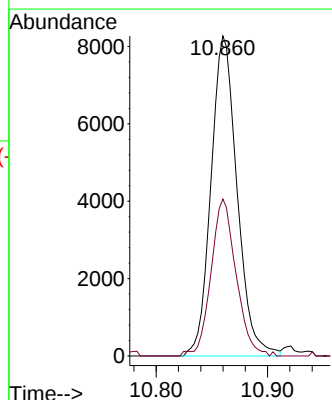
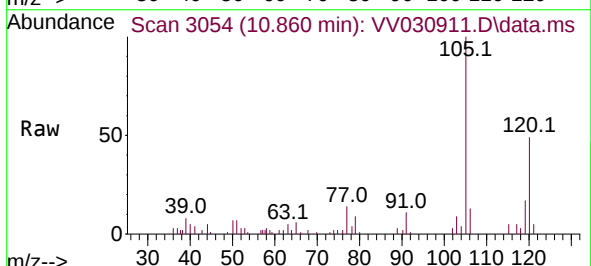
Acq: 28 Apr 2023 10:50

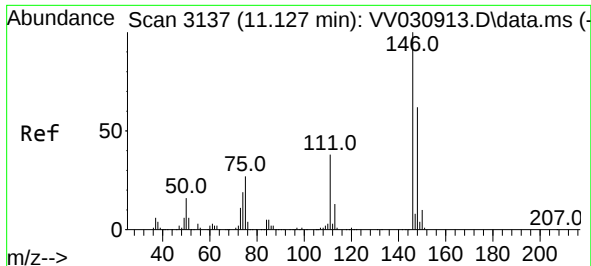
Tgt Ion:105 Resp: 13478

Ion Ratio Lower Upper

105 100

120 47.1 37.9 56.9

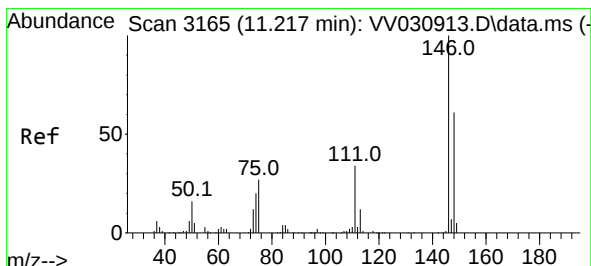
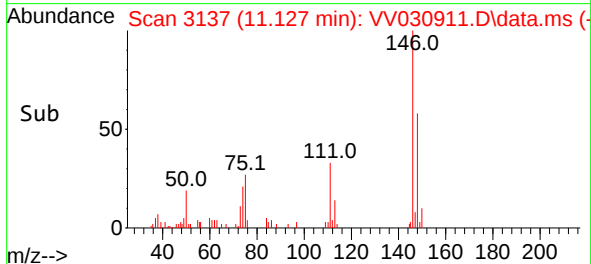
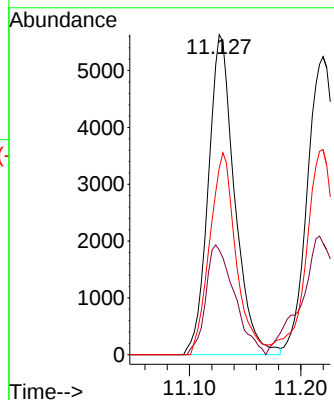
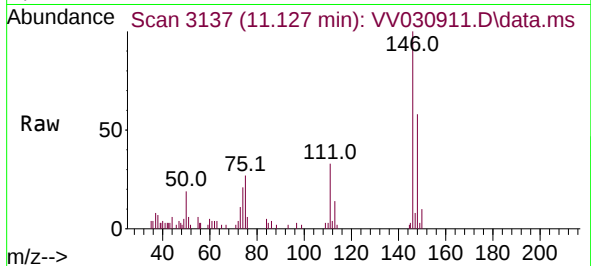




#64
1,3-Dichlorobenzene
Concen: 0.517 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

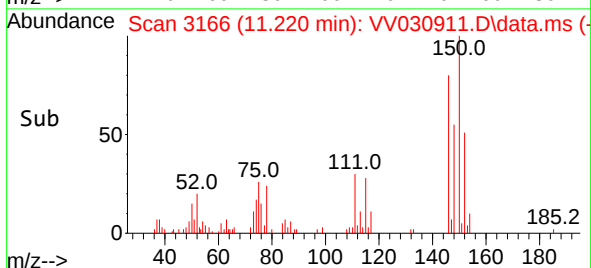
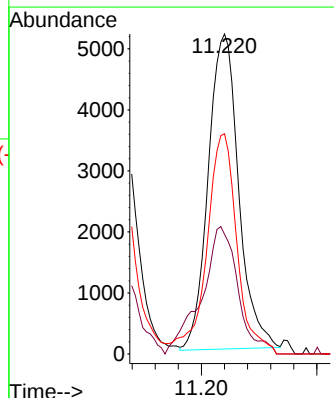
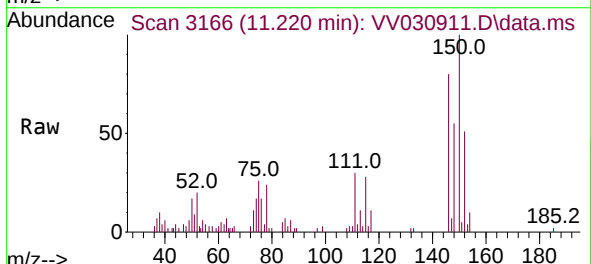
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5233

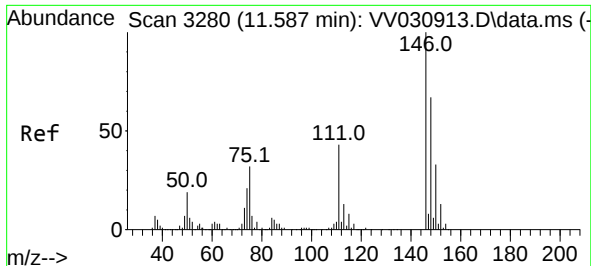
Tgt Ion:146	Resp:	9269
Ion Ratio	Lower	Upper
146	100	
111	32.7	26.5 49.3
148	58.3	43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 0.522 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VV030911.D
Acq: 28 Apr 2023 10:50

Tgt Ion:146	Resp:	9438
Ion Ratio	Lower	Upper
146	100	
111	37.4	23.9 44.5
148	68.8	42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 0.508 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5233

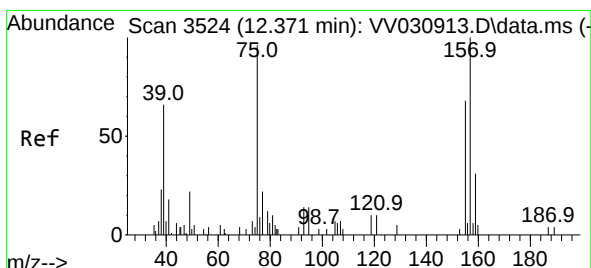
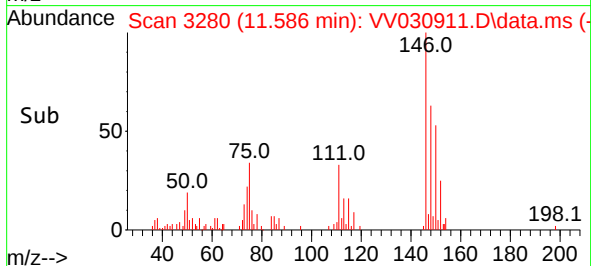
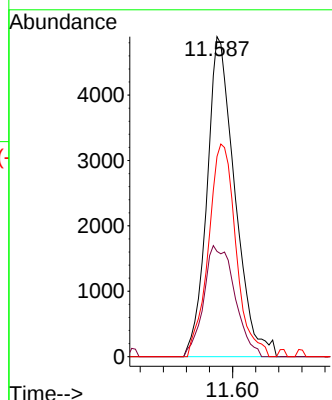
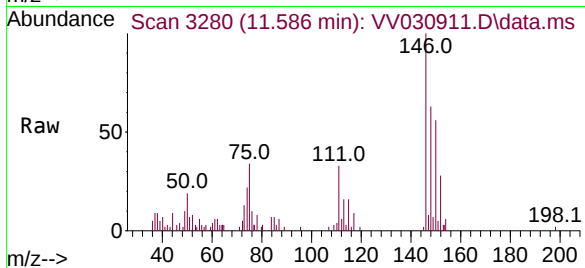
Tgt Ion:146 Resp: 8188

Ion Ratio Lower Upper

146 100

111 32.9 34.0 51.0#

148 62.6 53.8 80.6



#68

1,2-Dibromo-3-chloropropane

Concen: 0.593 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

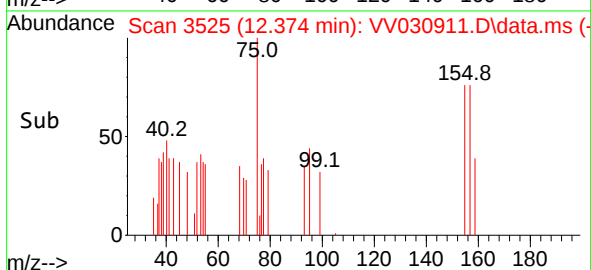
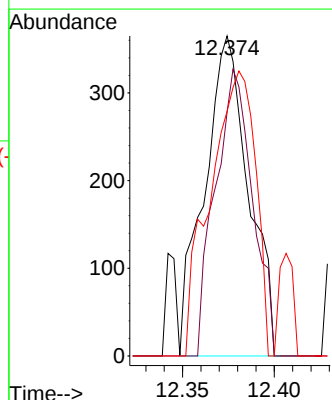
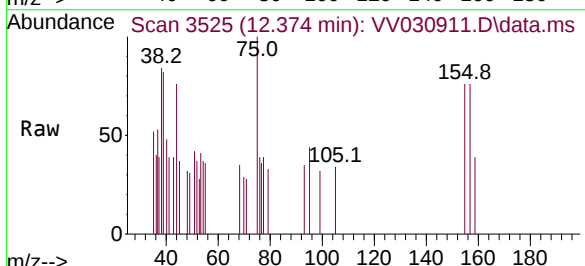
Tgt Ion: 75 Resp: 612

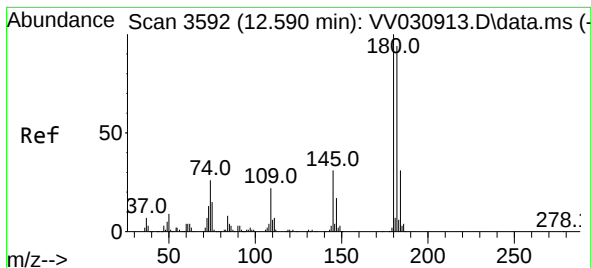
Ion Ratio Lower Upper

75 100

155 76.2 56.2 84.4

157 76.4 83.1 124.7#





#69

1,3,5-Trichlorobenzene

Concen: 0.515 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5233

Tgt Ion:180 Resp: 7306

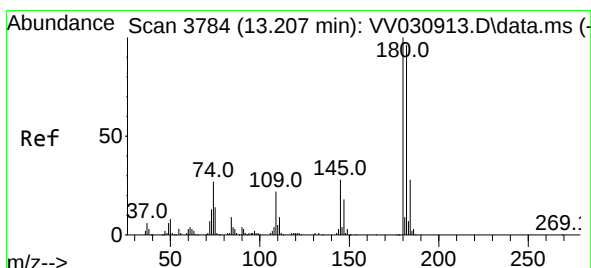
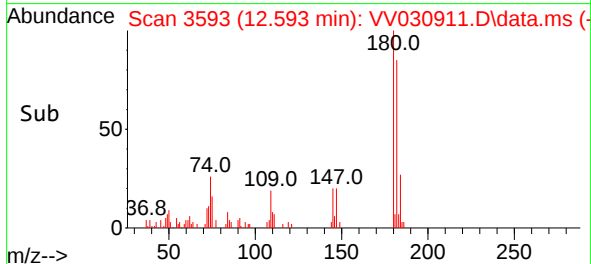
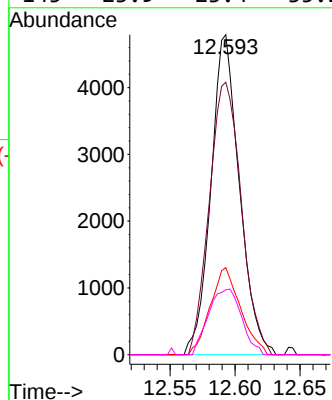
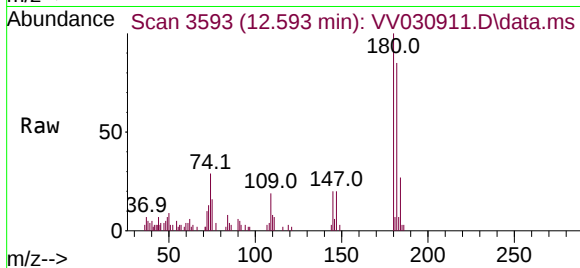
Ion Ratio Lower Upper

180 100

182 95.5 75.1 112.7

184 28.9 24.1 36.1

145 23.9 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 0.518 ug/L

RT: 13.210 min Scan# 3785

Delta R.T. 0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

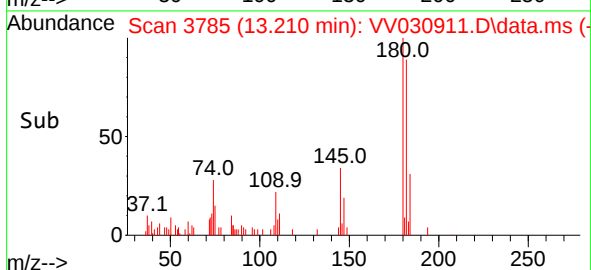
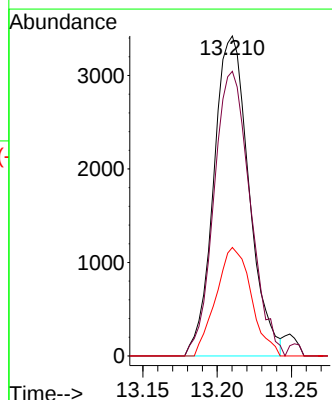
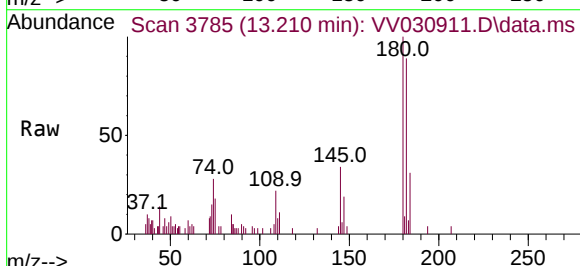
Tgt Ion:180 Resp: 5648

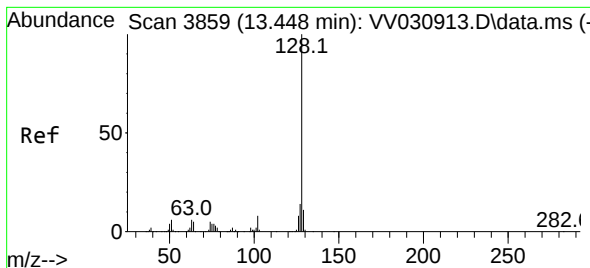
Ion Ratio Lower Upper

180 100

182 91.0 76.0 114.0

145 33.9 22.9 34.3





#71

Naphthalene

Concen: 0.634 ug/L

RT: 13.455 min Scan# 3861

Delta R.T. 0.006 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5233

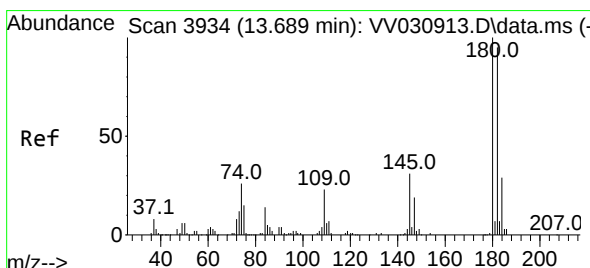
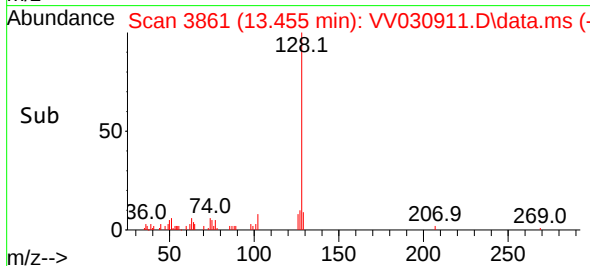
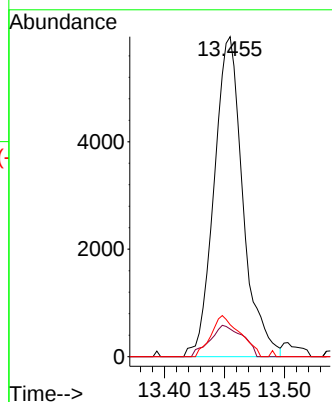
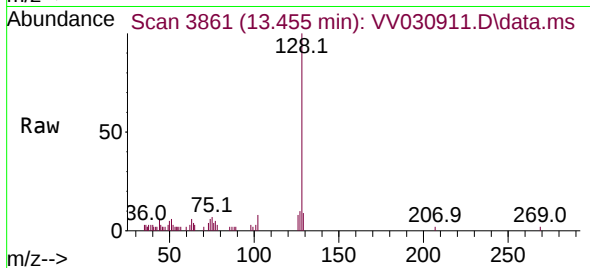
Tgt Ion:128 Resp: 9910

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 13.0 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 0.521 ug/L

RT: 13.693 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030911.D

Acq: 28 Apr 2023 10:50

Tgt Ion:180 Resp: 4814

Ion Ratio Lower Upper

180 100

182 94.8 77.3 115.9

145 29.8 24.7 37.1

